

Plowman et al.

9882 → 10499

RECORD

CRPT

BOT

Plowman

020



FOTO FINISH
3107 N. Broadway
Chicago, Il. 60657
929-9050

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cm x 13.4 cm)

JOURNAL

S.E. LEDGER

D.E. LEDGER

CASH

RECORD

RECORD-Ind. A-Z

MAR 22 1980

BRAZIL: Estado Pará Muni-
cipio de Tucuruí. Banks of the
Rio Tocantins, upriver from
Tucuruí Dam Site. Alt. 30 m.

22 March 1980. Ca. $3^{\circ}45'W$, $49^{\circ}40'W$.
Collectors: T. Plowman, N.A. Rosa,
and C. S. Rosario.

9882, Entada polystachya (L.) DC. Legum.
(10) High climbing liana in riverine
thicket. Calyx dull red. Filaments
white. Anthers creamy yellow
det. R. Barneby 1981.

9883, Cecropia latiloba Mig. Moraceae
(15) Dominant tree on flooded riverbanks,
15 m. tall x 12 cm diameter.
fotos Leaves dull dark green above,
whitish beneath with reddish
or greenish nerves. Stipule dull
red. Fruits dull green.
Pistillate plant. Inhabited by
biting ants. det. C.C. Berg 1981.

9884, Dialium guianense (Aubl.) Sond. Legum.
(11) Tree 16 m. tall x 20 cm. diam-
eter on flooded river bank. Fruits green
turning brown
det.

MAR 22 1980

9885. Chamecrista bahiae (Irwin) Irwin + Barneby Legum.
(11) Tree 13 m. tall x 15 cm.
diameter growing on flooded
river bank. Flowers very
fragrant. Petals deep yellow.
lit. Barneby 1981.

9886. Cecropia latiloba Mig. Moraceae
(13) Dominant tree on flooded river
banks 15 m tall x 12 cm. diame-
ter. Leaves dull dark green
above, whitish beneath with
reddish or yellowish nerves.
Stipule dull red. Bract dull
red-brown without, white
within. Spikes cream. Staminate
plant. Inhabited by biting ants.
lit. C. C. Berg 1981, 1992

9887. Prestonia lindleyana Woods. Apocyn.
(11) Climbing vine 3 m. tall
along trail in disturbed forest
on steep slope above river. Corolla
tube pale yellow; Petals yellow
with brown ring at mouth, white
latex. lit. Leeuwenberg 1981.

9888. Matayba Sapindae.
(10) Tree 7 m. tall x 15 cm. dia-
meter in disturbed forest on
steep slope above river. Fruits green.

9889, Lacistema polystachyum Schnitzlein Lacistemat
(10) Shrub 2.5 m. tall in disturbed forest on steep slope above river. Buds cream.
det. H. Sleumer 1981.

9890. Geophila REPENS (L.) I. M. Johnston Rubiace.
(11) Low creeping herb in disturbed forest on steep slope above river. Fruits orange at maturity.
DET. J. KIRKBRIDE 1981

9891. Cucurbit.
(1) Vine 2 m. tall along trail in disturbed forest on steep slope above river. Flowers yellow-green.

9892. Psychotria deflexa DC. Rubiace.
(12) Low shrub to 1 m. tall in disturbed forest on steep slope above river. Corolla pure white. Immature fruits green. Infructescence axis reddish purple.
det. J. H. Kirkbride 1981.

9893, ERAGROSTIS GLOMERATA (WALT.) L. H. DEWEY Gram.
(4) Growing in small clump in open road bank at construction site.
(DET. G. DAVIDSE, 1980)

MAR 22 1980

9894. Mikania congesta DC. ^{Composit}
(3) Vine in open thicket on
river bank. Flowers white.
det. H. Robinson 1981.

9895 Dracontium ^{Araceae}
(1) Growing in disturbed forest
on steep slope above river on
right bank. Petiole with mottled
snake pattern alternating bands
of dark brown and cream
Sterile.

9896. HYMENACHNE AMPLEXICAULIS (RUDGE) ^{NEES} Gram.
(9) Growing in flooded ditch along
road at construction site.
stems decumbent, rooting
at nodes. (DET. G. DAVIDSE, 1980)

9897. Piper ^{Piperac.}
(1) Shrub 70 cm. tall in dis-
turbed forest on steep bank
above river. Spikes light
green.

9898. Olyra LATIFOLIA L. ¹⁹⁸⁰ (DET. G. DAVIDSE) Gram.
(10) growing along trail in disturbed
forest on steep bank above river.

on right bank, to 2 m. tall with
scandent culms.

9899, Panicum laxum Sw. (DET. G. DAVIDSE, 1980) Gram.

(11) Growing in clump on open
road bank at construction site.

9900, Clidemia ^{ELEGANS (AUBL.) GRISEB.}
HIRTA (L.) D. DON VAR. Melastom.

(5) Shrub 1.2 m. tall along trail
in disturbed forest on steep slope
above river. (DET. J. J. WURDACK, 1981)

9901, Amasonia Verbenac.

(1) Herb growing in disturbed
forest on steep bank along
river. Leaves dull dark green above,
red purple beneath. Bracts
bright red. Calyx red. Corolla
pale yellow.

9902, Cordia tetrandra Aubl. Boraginac.

(12) Tree 12 m. tall x 15 cm dia-
meter growing on flooded river
bank. Fruits green.
Det. J. Kallunki 1985.

MAR 22 1980

9903. Panicum dichotomiflorum Michx.-s.l. Gram.

(4) Growing in flooded roadside ditch in thick mud at construction site. Culms red-purple, decumbent, rooting at nodes.
det. Davidse 1981.

9904. Inga uraguensis Hook. + Arn. reloff. Legumin.

(12) Tree 10 m. tall x 12 cm. diameter on flooded river bank. Fruits dull greenish brown.
det. G. D. Lewis 1981.

9905. Pariana Gram.

(6) Growing in disturbed forest on steep bank above river. Spikes nodding.

9906. Myrcia Myrtac.

(11) - Tree 12 m. tall x 10 cm. diameter in thicket on flooded river bank. Fruits dark red.
(DET. L. LANDRUM, 1981)

9907. Pariana Gram.

(6) Growing in small clumps in disturbed forest on steep slope above river. Spikes nodding, yellow-green.

Erythrox.

9908. Erythroxylum leptoneurum O.E. Schulz

(3)

T. Plowman

Shrub 2 m. tall in disturbed forest on steep slope above river. Leaves dull, dark green above. Shiny light green beneath. Sterile.

Erythrox.

9909. Erythroxylum macrophyllum Cav.

Det. T. Plowman

(5)

Shrub 1.3 m. tall in disturbed forest on steep bank above river on right bank. Leaves somewhat shiny, medium green above; dull pale glaucous green beneath with dark green veinlets.

9910. DIGITARIA INSULARIS (L.) MEZ EX EKMAN Gram.

(5)

Growing in small clump in bare open roadside in construction site. (DET. G. DAVIDSE 1980)

9911. Philodendron goeldii G.M. Barroso Araceae

(3)

Epiphyte 1.5 m tall on fallen + Stem Charred tree trunk in construction site. Sterile. det. T. Croat 1981.

9912. Fimbristylis miliacea (L.) Vahl Cyperac.

(11)

Growing at edge of flooded road + ditch in construction site. det. T. Koyama 1981

MAR 22 1980

9913, ECHINOCHLOA COLONUM (L.) LINK ¹⁹⁸⁰ Gram.
(11) (DET. C. DAVIDSE, 1980)

Stoloniferous grass with
stems decumbent at base.
Growing at edge of flooded road
ditch in construction site.

9914, PASPALUM REPENS BERG. (DET. G. DAVIDSE) ¹⁹⁸⁰ Gram.

(9) Growing in thick mud in
flooded road ditch in construction
site. Stems decumbent, par-
tially floating.

Belen: Ven-o-Peso Market. 28 mar 1980.

9914A

patchouli - aromatic roots
sold as perfume.

Collectors: T. Plowman, N.A. Rosa,
MAR 23 1980 C. S. Rosario.

Brazil: Estado Pará. Município
de Tucuruí. Tucuruí Dam
Site. Vila Temporária.
Alt. 80 m. Ca. 3°49'S, 49°40'W
23 March 1980.

9915. Desmodium triflorum (L.) DC. Legum.
(17) Prostrate herb rooting at
nodes, growing in waste ground.
Fruits green. det. R. Barneby 1981.

9916. Paspalum CONJUGATUM BERG. Gram.
(11) Stoloniferous grass in
waste ground. (DET. G. DAVIDSE, 1980)
n.v. pacuã

9917. Sporobolus JACQUEMONTII KUNTH Gram.
(8) Growing in small clumps
in waste ground. (DET. G. DAVIDSE, 1980)

9918. ELEUSINE INDICA (L.) GAERTN. Gram.
(11) Growing in waste ground.
in clumps. (DET. G. DAVIDSE, 1980)

9919. Paspalum virgatum L. Gram.
(6) Growing in waste ground in
small clumps.
det. G. Davidse 1981.

MAR 23 1980

9920. ARUNDINACEUM (DESY.) DE WET & HARLAN
SORGHUM BICOLOR (L.) MOENCH. SUBSP. Gram.
(10) Clumped grass 2.5
m. tall in waste ground.

9921. PANICUM MAXIMUM JACQ. Gram.
(3) Single culmed grass
in waste ground (DET. G. DAVIDSE, 1980)

9921A. Psallira cupena Kunth ex H.B.K.
F batto de guaraná. Purchased in
market souvenir shop in Belém. 29 MAR 1980

BRAZIL: Prov Pará. Belém.
Ver-O-Peso Market.
29 MAR 1980.

9922. Spizanthus oleracea L. Comp.
(7) n.v. "jambu"
Cult. aromatic herb ^{sold in} market.
Florets yellow.
Used as flavoring in
soups. det. R.K. Jensen Sept. 1980.
Erythrox.

9923 Erythroxylum coca var. ipadu Plowman
(7) Det. T. Plowman
Cult. Tall shrub to 4 m. with open
spreading branches. Petals creamy
white. Long styled morph.
n.v. "ipadu"

inc:
Banta
AI
Seeds
A10
H1011000

BRAZIL: DISTRITO FEDERAL: about 20 km. south
of Brasília (TV Tower), along highway DF 16.
Approx. 15°59'S., 47°55'W. Alt. ca. 1050 m.
Coll. T. Plowman 2 Apr 1980

9924. Vellozia glauca Pohl Velloziace.

(6) Shrub to 2 m. tall in cerrado.

UB-3 F with scattered shrubs. Perianth
Stos US pale lilac, whitish towards
LL base. Stamens and stigma
yellow. Style white. det. L. B. Smith 1980.

9925. Periandra mediterranea (Vell.) Taub. Legum.

UB-4 (2) Erect shrub 1 m. tall
F LA in cerrado. Petals violet,
NY banner with white nectar guide.
K det. R. Barneby 1980.

9926. Erythroxylum suberosum St. Hil. Erythrox.

(3) det. T. Plowman 1980.

UB F Dwarf treelet 1.0 m. tall
Ncu in cerrado. Bark thick, corky,
~~dark~~ light grey. Leaves contorted
~~dark~~ shiny dark grey-green above, light
~~dark~~ yellowish midrib; leaves very
pale glaucous green beneath,
veinlets darker green, midrib
whitish. Flower buds light
yellow.

St. Hil.

9927

(7)

Enthroxylum suberosum Enthrox.

UB-3

LA

4B

GB

F

fobs

Dwarf treelet 1.8 m. tall in cerrado. Bark thick corky, light grayish brown. Leaves contorted, dark shiny green above with light yellowish midrib; very pale dull glaucous green beneath with whitish midrib. Flower buds yellowish green.

det. T. Plowman 1980.

9928.

(5)

Enthroxylum engeri O.E. Schulz, Enthrox.
vel aff.

4B-1

fobs.

F

Ncu

P

K

Low branched shrub 1 m tall in cerrado. Bark thick, corky, longitudinally furrowed, light brown to pale grey. Leaves plane, erect, medium green, shiny above with light green midrib; very pale glaucous green beneath with yellowish midrib. Twigs light reddish to greyish brown. Buds creamy yellow.

= 9925

APR 2 1980

U
NY
NCA
UB-2
F
WOOD = MADW
Uw
Chem.

9929. Erythroxylum engleri O.E. Schulz Erythrox.
(6)
Same data as 9928.

U
F

9930. Erythroxylum engleri O.E. Schulz Erythrox
(2)
witch's broom growth
on Erythroxylum (# 9929)

BRAZIL: DISTRITO FEDERAL: 15 km. due south of Brasília. Esplanada dos Ministerios. Grounds of IBGE, Roncador. Approx. 15°56'S, 47°52'W. Alt. ca. 1160 m. 2 Apr 1980
Coll. T. Plowman

9931, Erythroxylum tortuosum St. H. (5) det. T. Plowman 1980.

Chem wood - Low shrub 0.5 m. tall with spreading thick branches. Outer bark thick light grey. Inner bark deep reddish brown. Leaves shiny, dark green above with yellow midrib; very pale glaucous green beneath, midrib creamy yellow. Leaf lamina upcurving, undulate

9932 Lavoisiera cf. bergii Cogn. Melast.

(9) Densely branched shrub

UB-3 1 m. tall in open cerrado.

F Petals deep rose pink. Stamens creamy white

det. J. J. Wurdack 1980.

foto US CAS NY K P

APR 2 1980

9933 Enthyronium suberosum St. Hil.
(4)

Dwarf treelet 1.5 m. tall
in open cerrado, nearly
leafless. Bark thick corky,
light grey. Petals cream.

FIS → (A)

Foto

UB-2

F

AAU

BRAZIL: DISTRITO FEDERAL: Chapada de Contagem,
northeast of Brasília. Along highway DF 5
about 36 km. west of intersection with BR 020,
near television antenna. Approx. 15°35'S,
48°05'W. Alt. 1280 m. 3 Apr. 1980

Coll. T. Plowman

9934 Erythroxylum suberosum ^{Erythrox} St. Hil.
(6) Dwarf treelet 1 m. tall in
burned ^{MADw} open cerrado with scattered trees
^{Uw} and shrubs. Bark thick, corky,
fotos light brown to grey. Leaves
US-3 F contorted, dull dark green above
NCU with light green midrib; lvs.
U very pale glaucous green be-
neath with darker green
veinlets, midrib pale yellow.
Calyx yellow-green. Corolla
creamy yellow. det. T. Plowman 1980

9935. Erythroxylum vacciniifolium Mart.
(11)

Shrub to 50 cm tall in
fotos burned cerrado with scattered
US-check trees and shrubs. Slender erect
branches sprouting from thick

APR 1980

UB-1
F
NCL
ICW
GH
K

WOOD
MADw
Uw

horizontal root. Stems red-brown with pale tan lenticels. Leaves plane, somewhat shiny, dark green above with light green midrib. lvs. light green beneath, dull, with dark green veinlets, midrib whitish.

9936. Paspalum gardnerianum Nees Grzm.
(4) Growing on open roadside in cerrado. det. G. Davidse 1980.

9937. Eragrostis solida Nees Grzm.
(3) growing in small clump on open roadside. Spikelets dark purple. In cerrado. det. G. Davidse 1980.

9938. Ctenium chapadense (Trin.) Doell. Grzm.
(10) Growing in small clump on open roadside in cerrado. det. G. Davidse 1980.

9939. Echinolaena inflexa (Poir.) Chase Grzm.
(9) Growing in open cerrado. det. G. Davidse 1980.

APR 3 1980

9940. Borreria Rubiac.

UB-1 (3) F NY Delicate herb on open
Sandy roadside in cerrado.
Flowers white.

9941. Miconia ligustroides (DC.) Naud. Melast.

UB-3 (7) F US K u Low spreading shrub
1 m. tall in cerrado. Fruits
dull green turning blue-
black. det. J. J. Wurdach 1980.

9942. Esenbeckia pumila Pohl Rutac.

UB-3 (7) F NY u LA Low shrub from woody
base in open cerrado.
Fruits aromatic, dark
green. det J. H. Kirkbride

9943. Peixotoa goiana C. Anderson Malpigh.

UB (3) F MICH Unbranched subshrub
in cerrado. Petals pale
yellow. det. C. Anderson 1982.

9944. Declieuxia oenanthoides

(4) UB-2 F NY Mart. + Zucc. ex Schult. et Schult.
Erect herb in cerrado.
Corolla blue-violet.
det. J. H. Kirkbride, Jr. 1980.

9945. Vernonia echitifolia Mart. ex DC. Comp.
 (10) Herb to 1 m. tall along
 roadsides in cerrado. Florets
 light blue-violet. det. S. Jones 1981.

UB-5
 F
 GA
 AU

LA
 NY
 K

9946. Borreria capitata DC. ^{sensu Steyermark} Rubiac.
 (3) erect herb in cerrado.
 Flowers white. det. J.H. Kirkbride
 1980.

UB
 F
 U

9947. Borreria verbenoides Cham. & Schlecht. ^{var. verbenoides}
 (7) erect herb from woody
 xylopodium, in cerrado. Flowers
 white. det. J.H. Kirkbride Jr. 1980.

F
 NY
 K
 U

9948. Borreria capitata DC. ^{sensu Steyermark} Rubiac.
 (2) erect herb in cerrado.
 Flowers white.
 det. J.H. Kirkbride 1980.

UB
 F

BRAZIL: Distrito Federal: Chapada de Contagem, northeast of Brasília. Along highway DF5, about 25 km. west of intersection with BR 020. Approx. 15°36'S, 48°03'W.
Alt. 1170 m. 3 Apr. 1980
Coll. T. Plowman

UB-2 9949 Vochysia elliptica Mart. Vochysia
F (4) Treelet 3 m. tall in
NY cerrado. Flowers deep yellow
det. T. Plowman 1980.

UB-5 9950 Achyrocline alata DC. Comp.
F NY Tall herb 1.2 m. tall
LA AMU in wet meadow between
US cerrado and gallery forest.
G Inflorescence pale yellow.
det. H. Robinson 1980.

UB-4 9951 Curtia verticillata (Spreng.) Knobth. Gentiane
F (8) Spindly slender herb 2
LA m. tall among shrubs in
G wet meadow near margin of
U gallery forest in cerrado
region. Corolla blue. det. E.A.
Nascimento 1980.

UB 9952 LAVOISIERA GRANDIFLORA NAUD. Melast.
F (11) Spindly sparsely branched
foto erect shrub 0.5-1.5 m.
tall in wet meadow near

APR 3 1980

UB-5
F
CAS
NY
K

u
G

Margin of gallery forest. Petals
pink. Filaments white.
Anthers yellow.

(Spreng.)

9953. Goylussacia ~~sp~~ brasiliensis Meissn. Ericac.

(3) Spindly erect shrub 2.5 m
tall in wet meadow near
margin of gallery forest in
cerrado. Corolla red. Fruit
blue-black. det. J. Luteyn 1980.
Rubiac

UB
F
NY

9954. Sabicea brasiliensis Wernh.

(9) Low shrub 50 cm tall in
cerrado on hillside. Leaves
whitish beneath. Fruits
pale red. det. J.H. Kirkbride 1980.
Rubiac

UB-4
F
P
LA
AAU
G

9955. Ferdinandusa speciosa Pohl.

(10) Shrub 1 m. tall to tree 6 m.
tall in wet meadow and mar-
gin of gallery forest. Infl.
branched dark red, Corolla
red.

for
UB-5
F
NY
MO
K
u

9955A Tibouchina

Foli only

APR 3 1980

9956. Erythroxylum tortuosum Mart.

(5)

gnarled shrub 70 cm

1.5-2 m tall with spreading branches. Bark thick, corky.

photos

Whitish grey. Leaves some-

what shiny, medium green

above with light yellow mid-

rib; very pale dull glaucous

green beneath with yellow

midrib. Sterile.

UG-2

F

MO

GB

BRAZIL: DISTRITO FEDERAL: Chapada de Contagem, northeast of Brasília. Along highway DF-5, about 27 km. west of intersection with BR 020, northfacing slopes. Approx. 15°32'S, 48°02'W. Alt. 1125 m. Coll. T. Plowman 3 Apr 1980

9957 Erythroxylum campestre St. Hil.
(1) UB
unicati. ~~photo~~
photo
Long shrub arising from thick woody root in barren roadside in cerrado. Leaves shiny, dark green above with lighter green midrib, pale dull green beneath with pale yellow midrib. Twigs dark red-brown. Sterile.
det. T. Plowman 1980.

9958. Erythroxylum suberosum St. Hil.
(3) UB
F
G
Erect unbranched shoots arising from woody base in burned over area on rocky sandy hillside. Sterile.
det. T. Plowman 1980.

9959. Erythroxylum tortuosum Mart.
(3) UB
F
NCU
Erect shoots arising from woody base in burned over area on rocky sandy hillside. Sterile.
det. T. Plowman 1980.

APR 3 1980

Erythroc.

9960. Erythroxylum engleri O. E. Schulz
(10)

UB-5
F
NCU
UBC
NY
LA
U

Single stemmed shrub to 1.5 m. tall on steep rocky hillside with sandy soil in cerrado. Trunk light brown, becoming corky and longitudinally furrowed at base. Twigs reddish brown. Leaves plane, stiffish, medium green somewhat shiny above; very pale glaucous dull green beneath, midrib pale yellowish both sides, Sterile.

9961. Styrax ferruginea Nees et Mart. Styracac.
(9)

UB-4 MO
F LA
NY U

gnarled treelet 3 m. tall on rocky hillside with sandy soil. Petals white. Anthers yellow orange. Bark thick, corky, greyish brown.

det. J. A. Nascimento 1980. ! P. W. FRITSCH (CAS) 2000

9962. Ferdinandusa elliptica Pohl

(4)

UB-2
F
NY
Tree 5 m. tall on steep rocky hillside with sandy soil in cerrado. Corolla white.

det. J. H. Kirkbride, Jr. 1985.

APR 3 1980

9963. Eremanthus glomeratus Less. Comp.

UB
F (2) Subshrub 60 cm. tall in
rocky cerrado on sandy soil.
Florets white. det. N. F. F. MacLeish
1981.

9964. Justicia chrysotrichoma (Nees) Pohl Acanth.

UB
F (3) Subshrub on bare open
roadsides in cerrado.
det. E. A. Nascimento 1980.

BRAZIL: DISTRITO FEDERAL: Chapada de Contagem,
northeast of Brasília. Along highway DF 5,
about 14 km. west of intersection with BR 020.
Approx. 15°37'S., 47°57'W. Alt. 1210 m.

3 Apr 1980.

Coll. T. Plowman

UB
F
FAU 9965. Ipomoea Convolv.
(3) Vine creeping on ground
in burned over cerrado.
Corolla white.

UB
F 9966. Salea sp. det. H. O. Dillon 1981. ~~punctatum~~
~~caeratherum punctatum~~ ~~Goss. sp.~~ Comp.
(2) Erect herb in disturbed
cerrado. Ray flowers pale
yellow, disc florets deep
golden yellow. det. Jones

UB-2
F
FAU
K 9967. MERREMIA TOMENTOSA (CHOISY) ^{HALL. F.} Convolv.
(5) Erect herb from woody
base in burned over cerrado.
Corolla white. DET. KEW 1990

F
UB 9968. Vernonia squarrosa Less. Comp.
(2) Herb in burned over cerrado.
Florets red violet.
det. S. B. Jones 1981.

9969. Bidens graveolens Gardn. Comp.

(8) Erect herb from thick base. Involucre green. Bract-
 eoles red-brown. Corolla
 cream. Stigmas purple-
 brown. det. H. Robinson 1980.

UB-4
F
US

LA
K

9970. Declieuxia fruticosa (Willd.

(1) ex R. & S.) O. Kuntze
 det J. H. Kirkbride, Jr. 1980.
 Solitary Erect herb in open burned
 over cerrado. Corolla white.

UB

9971. Declieuxia fruticosa (Willd. ex

(5) R. & S.) O. Kuntze
 det. J. H. Kirkbride, Jr. 1980.

UB-2

F
U
P

Herb growing in thick clumps
 in open burned over cerrado.
 Corolla blue.

9972. Vernonia bardanoides Less. Comp.

(6) Erect herb with woody
 xylopodium in open burned
 over cerrado. Florets red-
 violet to rose pink.

UB-3

F
GA
K

det. S. Jones 1981.

APR 3 1980

9973 Colea hymenolepis Baker Comp.

(8) Herb with woody base
growing in clumps in open,
burned over cerrado. Ray
florets pale yellow. Tube
florets deep yellow. det. H. Robinson 1980.

UB-4
F
US
LA
U

9974. Palicourea rigida HBK. Rubrac.

(3+1) Shrub 1.5 m. tall in open
burned over cerrado.

F-2
UB-2 Fruits green.

BRAZIL: DISTRITO FEDERAL: highway BR 020
 from Brasília to Sobradinho, 5 km. east
 of road interchange at Ribeirão Sobradinho.
 Approx. 15°40'S., 47°49'W. Alt. 1030-1060
 m.
 Coll. T. Plowman 3 Apr 1980

9975. Baccharis subdentata DC. Comp.

(6) subshrub 1 m. tall growing
 on disturbed roadside. Florets
 white. det. H. Robinson 1980.

UB-3
 F
 US
 W

9976. Viguiera robusta Gardn. Comp.

(8) subshrub 1.8 m. tall in
 disturbed roadside in cerrado.
 Ray florets light yellow. Disc
 florets yellow-orange. det. H. Robinson
 1980.

UB-4
 F
 US
 W
 P
 U

9977. Psychotria carthagenense Rubiac

(8) Shrub 3 m. tall in open
 swamp (brejo) among shrubs.
 Fruits red at maturity.

UB-5
 F
 NY
 U
 G

P. COLARENSIS MUELL. ARG. det. J.H. Kirkbride Jr. 1980
 (DET. C.W. HAMILTON 1992)

9978

Apocyn

(5) Twining vine in swampy
 thicket. Corolla tube pale
 pink, limb white.

UB-2
 F
 MO
 K

APR 3 1980

9979 Iribachia alata (Aubl.) Moas Gentianac.
(3) Slender erect herb in
open swamp among shrubs.
Corolla greenish yellow.
det. Persoon + Moas 1983

UB
F
U

9980. Aristolochia labiata Willd. Aristoloch.
(8) vel aff. det. T.P. 1980.

UB-4
F
NY
K fotos
MO

Twining vine in margin
of open lowlying swamp
("brejo"). Corolla "pouch"
and "hood" dark purplish
brown with cream speckles.
"lip" dark purple brown
throughout occasionally
with faint speckles.

9981. Cestrum SP. CF. SUBUNIFLORUM DONAL Solanac.

(8) Slender virgate. Shrub to
1.8 m. tall in open swamp
("brejo") among shrubs.
Corolla pale green to cream.
DET. J. BLEWETT 1989

UB-3 MO
F K
NY AAU

9982. Xyris hymenachne Mart. Xyridac.
(7) growing in open swamp
among sedges. Corolla
light yellow det. L. B. Smith 1980.

UB-3 U
F G
US G

APR 3 1980

9983, Xyris laxifolia Mart. Xyridac.

UB-2(4)

F
US

Growing in open swamp
among sedges. Corolla yellow.
det. L.B. Smith 1980.

9984 Renealmia alpinia (Rottboell) Cing. b.

(3+3)

Mazz det. Mazz 1984

UB-2

F2

U-2

Herb 4 m. tall in gallery
forest along Córrego Capão
Grande, affluent of Ribeirão
Sobradinho. Fruits and inflo-
rescence branches bright red.

9985, Erythroxylum vacciniifolium Mart.

(13)

(A)

fotos
WOOD

UW
MAD

US-cler

UB-7

F

NCU

GH

NY

K

Shrub 2 m. tall in low lying
swamp ("brejo") among shrubs,
along Ribeirão Sobradinho.
Trunk reddish brown, slightly
rough. Leaves dark green
somewhat shiny above. Dull pale
glaucous green beneath with
dark green reticulate venulets.
Pedicel and calyx pale green.
Petals creamy white.
Short styled.

APR 3 1980

9986. Ruellia incompta (Nees) Lindau Acanth.
(7) Erect subshrub with woody
base in disturbed cerrado
along highway, Corolla
lavender. det. D.C. Wasshausen
1981.

UB-3
F
US
LA
K

9987. Erythroxylum vacciniifolium Mart.

(5)

UB-2
F
NY
GH

Shrub 1 m. tall. Same
data as 9985.

Long styled plant.

9988. Erythroxylum daphnites Mart.
(11)

WOOD
MADW
UW

Chem

UB-6

F

NCU

UBC

U

MO

Tree 6 m. tall x 10 cm
diameter growing in gallery
forest along Corrego Capão
Grande. Bark soft, thick
corky, easily rubbed off,
longitudinally furrowed,
pale tan. Leaves shiny dark
green above with impressed
veinlets; pale green be-
neath.

Sterile.

APR 3 1980

9989. Erythroxylum daphnites Mart.
(8)

WOOD-LEAF

UB-4 K

F

Ncu

WOOD Uu
MADW

Shrubs 2 m. tall in margin
of gallery forest along Corrego
Capão Grande.

Data same as 9988.

9990. Styrox camporum Pohl

Styroc.

(8)

UB-4

F

NY
MO
U

Shrub 2.5 m. tall in
margin of gallery forest.

Fruits green ! P.W. FRITSCH (CAS) 2000

9991. Vochysia

Vochysiac.

(7)

UB-4

F

NY

K

Tree 8 m. tall in margin
of gallery forest along Corrego
Capão Grande. Fruits shiny
light green.

det. T. Plowman 1982.

APR 4 1980

BRAZIL: Distrito Federal.

Road from Guará to Tiquatinga
ca. 3 km west of Guará near
Jockey Club.

Approx. $15^{\circ}49'S$, $47^{\circ}56'W$.

4 Apr. 1980. Alt. 1000-1050 m.

Coll. T. Plowman

9992. Habenaria goyazensis Cogn. Orchid

(3) Terrestrial orchid in disturbed
cerrado margin, Perianth
light green, spur pale yellow.

det. E.A. Nascimento 1980.
(Less.)

9993. Piptocarpha rotundifolia Baker Comp.

(9) Dwarf treelet 2.5 m. tall
x 12 cm. diameter in cerrado,
Involucre brown.

det. E.A.
Nascimento 1980.

9994. Combessedesia espora DC. Weibston.

(2) Erect unbranched herb
50 cm tall from woody xyl-
opodium. Petals and stamens
bright yellow. det. E.A. Nascimento 1980.

9995. Erythroxylum campestre St. Hil.

(2) Low shrub to 40 cm. tall
arising from woody xyl-
opodium. Growing in disturbed roadside

APR 4 · 1980

at cerrado margin. Stems, ^{dark} reddish brown. Leaves shiny, dark green above, with yellowish midrib; dull light green beneath with darker green veinlets and yellowish midrib, sterile.

9996. Erythroxylum vacciniifolium Mart
(8)

Low shrub to 70 cm. tall arising from thick woody xylopodium, growing in recently burned cerrado, with scattered trees and shrubs. Stems erect, reddish brown, dotted with fine, light lenticels. Leaves somewhat shiny above medium green, midrib light green; leaves pale green beneath, dull, with dark green reticulate veinlets, midrib very pale green. Stipules black. Sterile.

9997. Erythroxylum *q. vacciniifolium*
(7)

Same data as 9996.

xylopodium
UB-3 NCU GH
F NY

APR 4 1980

9998. Cymbopogon giganteus Chiov. Gram.

(6) Coarse grass 2 m. tall
on roadside at margin of
Cerrado. det. G. Davidse 1980.

UB-3
F
MO

9998A. Irish moss - seed only

Al, PTBG, MO, Benta

BRAZIL: Distrito Federal,
Universidade de Brasília,
Campo Olímpico, shore of
Lagoa Paranoá.

Approx. 15°46'S, 47°51'W.

4 Apr 1980. Alt. 1000 m.

Coll. T. Aburnen

9999. Enythroxyllum campestre St. Hil.

(6)

xylopodia
lus-chen

UB-3
F
NCU
UBC
U

Low shrub to about 70 cm
tall growing in low moist
meadow at margin of second-
ary thicket. Arising from
long woody xylopodium.
Stems erect, dark brown.
twigs dark red-brown. Leaves
shiny, dark green above with
yellow-green midrib. Leaves
light shiny green beneath, with
darker green veinlets. Stipules
red-brown, turning black. Flower buds

yellow. Pedicel and calyx pale green.

10000. Lobelia thapsoides Schott Compos. -
Lobelioid

(6)

7 labels

Seed
AI Banta
PTBG

UB-4

F u
NY

Coarse herb 2.5 m. tall
in margin of wet meadow and
adjacent thicket. Milky latex.
Calyx lobes red purple.
Corolla bright red-violet.

10001. Parinari obtusifolia Hook. f. Chrysobalan.

(4)

UB-2
F
NY

Low subshrub arising
from woody xylopodium. Leaves
shiny green above, dull whitish
beneath. Fruit brown det. J. T. Prance
1980.

10002. Lippia oxycnemis Schau Verbenac.

(6)

UB-3
F
NY
K

Coarse herb 1.8 m. tall
in wet meadow. Involucre
bracts red-purple. Corolla
pale lavender with red violet
nectar guide at throat.

det. H. N. Moldenke 1981.

APR 4 1980

gesnerioides Cham.

10003. Stachytarpheta Verbenac.

(2) Coarse herb 1.8 m. tall

photo - in open wet meadow.

UB
F Corolla tube dark purple,
Limb intense cobalt blue.

det. E. A. Nascimento 1980-

10004. Begonia glabra Aubl. Begoni.

(4) Erect weak herb to 1 m.

UB-2
F tall in margin of wet

AAU thicket. Perianth pale pink

det. T. Phromma & P. Matichuk

10005. Macrosiphonia longiflora (Desf.) M. Arg. Apoc.

(2) Erect subshrub from
woody base in wet meadow.

UB-1
F-1 Indument greyish white.

Corolla lobes adaxially creamy,
with deep yellow nectar
guide at throat. Latex
white. Fruits brown.

det. N. A. Nascimento 1980.

= M. velame (St. Hil.) Muell. Arg.

BRAZIL: Distrito Federal.

Brasília. Estrada ao Aeroporto,
at Córrego de Guará.

Approx. $15^{\circ}51'S$ $47^{\circ}46'W$

4 Apr. 1980. Alt. 990 m.

Coll. T. Plowman

10006. Ludwigia tomentosa (Camb.) Hara Onagraceae.

(6) Coarse subshrub to 3 m.

tall in low mucky swamp.
Petals and stamens bright
yellow. det. N. A. Nascimento 1980.

UB-3

F

Mo

AAU

10007 Bythneria scabra L. Sterculiaceae.

(9) Armed virgate subshrub
in low mucky swamp. Perianth
dark purple brown at base, lobes cream.
Staminodes purplish, appendage cream
at base, apically purple.
Fruits light green turning brown.
det. C. Cristobal 1980.

UB-4

F

CTES

LA

U

G

10008. Verbesina sordescens DC. Comp.

(3) Tall herb in open swamp
among shrubs. Stems and
leaf nerves beneath dark
red-purple. Florets bright
yellow. det. H. Robinson 1980.

UB

F

US

APR 4 1980

10009. Luehea divaricata Mart. Tiliac.

(7) Straggly shrub 4 m. tall
in low, mucky swamp.

UB-3 Epicalyx pale purple-brown.
F Calyx lobes very pale green.
NY Petals yellow at base, lamina
K pale violet at center, fading
Mo to white towards margins.
Petals turning deep yellow
with age. Filaments pale
yellow, turning deep yellow
with age. Flowers fragrant.

10010. Myrcia aff. multiflora (Lam.) DC. Myrtac.

(9) Treelet 4 m. tall in low
UB-4 LA mucky swamp. Flowers pure
F U white.
NY det. R. McVaugh 1980.
WCH

10011. Ipomoea Convolv.

(4) Twining vine in low mucky

UB-2 Swamp among shrubs.
F Corolla deep rose pink.
FALL

10012. Polygonum Polygonac.

(3) Sprawling herb 1.5 m. tall
among shrubs in low mucky swamp.
Flowers cream.

UB
F
AAL

10013. Piper Piperac.
(3) Low shrub 80 cm. tall
in low open mucky swamp.
Spikes creamy yellow.

UB
F
NY

10014. Lobelia FASTIGIATA KUNTH Lobeliac.
(2) Slender erect herb in low
mucky open swamp. Corolla
blue-violet. DET. T. LAMMERS 1990

UB
F

K. + R.

10015. Raulinoreitzia tremula (Hook. & Arn.) Comp.

- (8) Shrub 1.8 m. tall in
low open mucky swamp.
Heads greenish white.
det. H. Robinson 1980.

UB-Y
F
US
G
u

10016. Vernonia lucida Less. x V. oligolepis Sch. Bip. ex Baker

- (2) Erect herb 1.2 m. tall
in low, open mucky swamp.
Florets magenta. det. Stults + Jones 1981.

UB
F

10017. Sapium obovatum Kl. ex Mull. Arg. Euphorb.

- (3) Low shrub 80 cm. tall
in low open mucky swamp.
Twigs and midrib red purple.
Flowers cream. Young fruits
green. White latex.

UB
F
DAV

APR 4 1980

10018. Sida linifolia Cav.

Melvac.

(6)

UB-3
F
FAES
CTES

Slender herb 1 m. tall in wet meadow at margin of thicket. Corolla pale yellow-orange, dark red at center.
det. P. Fryxell 1980.

BRAZIL: DISTRITO FEDERAL: Brasília.

Corrego de Bananal near bridge at highway BR 020. Approx. 15°44'S., 47°54'W.
Alt. 1000 - 1040 m.

Coll. T. Plowman

6 Apr 1980

(L.) Druce

10019. Centropogon cornutus Campanul.

(2)

seed
AI

UB
F

Erect herb in open swamp ("brejo") among shrubs.
Corolla deep ~~corolla~~ red.
det. C. Niezgoda 1980.

SOLANAC

10020. Brumfelsia obovata var.

(6)

coriacea (J.A. Schmidt) Plowman


fotos

UB-2
F
NY
K

Erect woody shrub 1-2 m. tall in open swamp ("brejo") among shrubs in red mud. Trunks swollen ^{towards} base. Bark light brown, longitudinally cracked, exfoliating in thin flakes. Twigs light green with golden

pubescence. Leaves mostly crowded
at tips of branchlets, lamina
ascending, somewhat shiny,
dark green above, pale green dull
beneath. Calyx light green with
purple bluish. Buds dark purple.

5-7 mg Cal.
lobes strongly
concave

Corolla tube deep purple.
Lobes deep violet, bluish violet
at center with white crescent
 on dorsal side of orifice.
(1) Corolla fading somewhat
with age. Fruits globose
12 mm diameter, shiny green,
immature.

New leaves purplish black.

APR 6 1980

10021. Erythroxylum cf. vacciniifolium Mart. Erythrox.

- (7) Erect shrub 3 m. tall in open swamp ("brejo") among shrubs and scattered treelets in red mud. Trunk greyish brown. Stipules black. Twigs dark red-brown. Leaves medium green above, pale dull glaucous green beneath. Sterile.

UB-3

F

GH

Mo

NY

10022. Erythroxylum cf. vacciniifolium Mart. Erythrox.

- (6) Erect shrub 2 m. tall in wooded swamp ("brejo"). Among shrubs in red mud. Branches dark brown. Leaves dark green, slightly shiny above, pale dull glaucous green beneath.

UB-3

F

ICW

K

G

Stipules turning black. Pedicel and calyx light green. Petals greenish white with central brownish stripe. Long-styled plant.

APR 6 1980

Mart.

- 10023, Erythroxylum cf. vacciniifolium Erythrox.
(4) Low shrub 1 m. tall in margin
UB-2 of gallery forest on low swampy
F ground in red mud. Sterile.
NY Young leaves yellow-green.

Mart.

10024. Erythroxylum cf. vacciniifolium Erythrox.
(7) Shrub 2.5 m. tall in shade
UB-4 of gallery forest on low swampy
F ground. Leaves dark green above,
NY pale glaucous dull green
MO beneath. Sterile.

10025. Piper regnellii (Miq.) C. DC. var. regnellii Piperac.
(4) Shrub 2.5 m. tall in low
UB-2 inundated thicket. Petioles
F pink. Young spikes green;
AA LA dull green in fruit

R. CALLEJAS 1982 ! H. TEBBS 1989

- 10026 Centrosema grandiflorum Benth. Legum
(4) Climbing vine in low swamp
UB-2 thicket ('brejo'). Corolla blue-
F violet with white stripes at
US center of banner.
det. C. Niezgodna 1988.

APR 6 1980

10027, Inga

Legum.

(9)

Treelet 5 m. tall with spreading crown in margin of swamp gallery forest.

Corolla greenish white, filaments pure white.

(Lindl.)

10028. Campylocentrum micranthum

Orchidace.

(5)

Climbing epiphyte on slender tree trunks in low swampy thicket ("brejo"). Fruits tawny orange.

DF 591 duplicates

APR 9 1980

BRAZIL. Estado Bahia. Município
de Salvador. Coastal dunes
2 km. north of Itapua.
Approx. $12^{\circ}58'S$, $38^{\circ}23'W$. Alt. sea level.
9 Apr 1980.
Coll. T. Plowman and G. E. M. Almeida

18029. Epidendrum Orchid.

- F (1) Erect terrestrial orchid
to 1.5 m. tall. Stem and leaves
green to dark red purple.
Perianth olive green. Lip and
column light green.

10030. Epistephium praestans Hochne Orchid

- F (1) Erect branched terres-
trial orchid among low shrubs.
Sepals and petals light red-violet.
Lip deep red violet with white
nectar guide. Column white.

Det. C. H. Dodson 1982. Det. T. Plowman 1983.

10031. Syngonanthus imbricatus (Koern.) Ruhl Eriocaul.

- F
CEPEC
NY
K
U (5) Rosulate herb on open
(exposed dunes. Heads white.
→ Leiothrix pilulifera (Koern.) Ruhl
Det. A. M. Grulietti, 1986.

APR 9 1980

10032 - Gomphrena pungens Seubert Ameranth.

F (1)

Succulent herb on open exposed dunes. Stems reddish. Flowers cream with red streaks. det. J. A. Mears 1982.

10033 Coccoloba laevis Casaretto Polygon.

F (4)

CEPEC
GTH
K

Decumbent subshrub on exposed dunes. Fruits green. det. Kew 1982.

10034. Cuphea flava Spreng. Lythrac.

F (3)

CEPEC
P

Prostrate or suberect subshrub on open dunes at edge of shrub island. Flowers yellow. det. A. Lourteig 1984.

10035. Ouratea crassa van Tieghem Celmac.

(4)

folos

F
CEPEC
K
P

Shrub 1.5 m. tall in shrub island in dunes. Infl axis yellow. Pedicels and receptacle bright red. Fruits metallic blue. det. C. Sastre 1982.

Guapira pernambucensis (Cazaretto) Lundell10036. Pisonia sp. det. L.Y.Th. Westra 1981. Nyctag.

(4)

F
CEPEC
UB
USprawling shrub 80 cm
tall in shrub island in dunes.
Overy green. Corolla red.
Infl. branches turning red in
fruit. Berries shiny black.
det. Kirkbride 1980.10037. Coccoloba ramosissima Wedd. Polygon.

(4)

F
CEPEC
GH
KFrequent sprawling
Shrub 1.5 m. tall in shrub
island in dunes. Fruits still
green. det. R.A. Howard 1984.10038. Vernonia

Comp.

(6)

F
CEPEC
GA
NY
KUS
OSUSprawling subshrub with
decumbent stems in open dunes.
Leaves succulent. Florets
pale lavender. det. Sam Jones 198110039. Panicum parvifolium Lam.

Gram.

(6)

F
CEPEC
MO
K
US
ISC
UForming dense patches along
small stream among dunes.
det. G. Davidse 1981.10040. Chrysobalanus icaco L. Chrysobalanaceae

Det. T. Plowman 1980.

(5)

F
CEPEC
NY
LA
GSprawling decumbent shrub
in margin of shrub island
in dunes. Fruits red at maturity.

APR 9 1980

10041. Esenbeckia grandiflora Mart. Rutac.

(5) Shrub 2.5 m. tall in
shrub island in dunes. Fruits
green. Frequent.
F
CEPEC
K
u
MM
NY

10042. Myrcia Myrtac.

(4) Shrub 3 m. tall in
shrub island in dunes.
Fruits green with red
blush.
F
CEPEC
NY
K

10043. Xyris ciliata Thunb. det. R. Krol 1986.
n. sp.? det. L.B. Smith 1980. Xyridac.

(5) growing in clumps in
low flat area in dunes.
Dry at this time of year.
Corolla light yellow.
F
CEPEC
US
K
NY

10044. Rudgea irregularis M. Arg. Rubiac.

(8) Shrub 2.0 m. tall with
erect branches in shrub island
in dunes. Corolla white.
Fruits orange. det. TP 1983.
F
CEPEC
UB
LA
K
RB
NY
MO

10045. Panicum stipiflorum Renv. sp. nov. ^{mod.} Gram.

(7) Erect annual grass in
low flat area with palms
in dunes. det. Kew 1982.
F
CEPEC
MD
US
ISC
K
U

10046. Anthurium affine Schott Arac.12 labels
6 specimensF
CEPEC
MO
K
SEL
RB
NYResolute terrestrial herb
in shrub island in dunes.
Mature leaves twisted ir-
regularly. Petiole in section

Midrib above.

Leaves shiny both sides.
Peduncle terete, ridged.
Spathe light green. Spadix
greenish brown. Exposed
part of fruit dark red-purple.
Lower part bright red-orange.
det. T. Croat 1980.10047. Humiria balsamifera (Aubl.) St. Hil. Humiriac.

(7)

Fotos.
F
CEPEC
K
UB
LA
GFrequent sprawling semi-
decumbent shrub in margin
of shrub islands. Corolla
white. Fruits green, dull orange
at maturity.
Det. T. Plowman
1980.10048. Vernonia

(3)

F
CEPEC
GAHerb on open exposed
dunes. Flowers light
red violet
det. Sam Jones 1981.

Comp.

APR 9 1980

Dillen.

10049. Davilla flexuosa St. Hil.

(5)

F
CEPEC
K
NY

Sprawling shrub 80
cm tall in margin of
Shrub Island, Petals in du-
rated, yellow-orange. det T.P. 1980.

10050. Byrsonima gerdnerana Adr. Juss. Malpigh.

(5)

F
CEPEC
MICH
K

Shrub 2.5 m. tall in
shrub island in dunes.
Fruits shiny red at
maturity. det. W.R. Anderson
1982.

10051. Kanimia nitida Baker Comp.

(4)

F
CEPEC
U.S.
K

Erect subshrub to 50
cm. tall with succulent leaves
at margin of shrub island
in dunes. Florets white.
det. H. Robinson 1980.

10052. Chiococca sp. nov. (= Plowman 12782) Rubiac.

(4)

UB
F
CEPEC
K

Shrub 1.5 m. tall in
dense shrub island in dunes.
Corolla cream.

10053. Myrcia

Myrt.

(4)

F
CEPEC
NY

Shrub 3 m. tall in shrub
island in dunes. Flowers
white.

10054. Euphorbia gymnoclada Boiss.

(5)

F
CEPEC
UB
US
K

G

Succulent herb with decumbent stems and long tap root growing in open exposed dunes. Latex white.

Flowers cream. det. T. Plowman 1980.

10055. Swartzia apetala Raddi var. subcordata Cowan

(5)

F
CEPEC
US
K

Shrub 1.5 m tall in Shrub Island in dunes. Fruits shiny bright orange. Det. T. Plowman 1980.

10056. Byrsonima triopterifolia Adr. Juss. Malpigh.

(4)

F
CEPEC
MICH
K

Open branched shrub 1.5 m. tall in Shrub Island in dunes. Petals and filaments red. det. W. R. Anderson 1981.


BRAZIL: BAHIA: Municipio de Itacarê. Rodovia
BA 654 entre Ubaitaba e Taboquinhas, km. 16
ao leste de Ubaitaba. Approx. 14°20'S., 39°
12'W. Alt. 100 m.

Coll. T. Plowman, L.A. Mattos Silva & T. S.
dos Santos 12 Apr 1980

NY
P
K
ISC
F
CEPEC
MO
US
UB
→ Raddia distichophylla (Schrad. ex
Nees) Cheseb. det. Renwick 89 (Sten!) Calderon + Soderstrom
10057 Raddiella esenbeckii Gram

(8) clumps along
stream in logged primary forest
det. T. Soderstrom 1980
10058. Heliconia richardiana Mig. Musac.

(3) Growing in small clumps
on stream bank in logged
primary forest remnant.
Leaves dull green above; lighter
shiny beneath. Peduncle
olive green. Infl. axis & base
of bracts red orange. Branch
bracts greenish yellow. Pedicels
and ovary red orange. Perianth
light green. det. L. Andersson 1982.

10059. Anthurium cf. crassipes Engler Arac.
(2) Terrestrial herb with creep-
ing rhizome. Leaves dark shiny
green above, lighter shiny
green beneath. Petiole dark
purple brown  in section.

APR 12 1980

ANTHURIUM SELLOWIANUM KUNTH, [TEMPONI 12/2005]

Peduncle subterete. Spathe
reflexed pale coppery red
Spadix red-brown. det Croat 1981.
SEL # 80-554.

10060. Dichorisandra Cannel.

(1)

unicate

rhizome

live - AL
Fruit

CEPEC

Herb 1 m. tall from thick
rhizome. Leaves shiny dark
green above, shiny dark red
purple beneath. Infl. bran-
ches dark red-purple. Sepals
bluish white. Petals deep violet.
Anthers pale yellow. In logged
primary forest remnant.

10061.

(1)

live

CEPEC

Bromeliad.

Epiphyte on tree trunk
along river bank. Peduncle
bracts red. Infl. branches
and calyx bright red-orange.
Spike blue-violet

SELBY

live only

10061A. Philodendron - pinnately compound

EL 10061B. Philodendron - large strap leaf

EL 10061C. Philodendron cordate climber

EL 10061D. Anthurium cordate climber

SEL 10061E. Calathea

AL SEL 10061F. Calathea

→ Gr. var. *Kernia*, purple
live → SEL

Pl. 10928
(F)

C. bourssei Lindl. = *C. fasciata*

APR 12 1980

BRAZIL: BAHIA: Municipio de Itacarê. Rodovia
BA 654, km. 6 ao oeste de Itacarê. Approx.
14°18'S., 39°02'W. Alt. ca. 60 m.
Coll. T. Plowman, L. A. Mattos Silva and
T.S. dos Santos 12 Apr 1980

10062. Erythroxylum squamatum Sw.
(7)

WOOD: LW

live - Al
foto LYON

F RB
CEPEC NY
NCU
UB
K

Sapling 2.6 m. tall in
margin of degraded primary
forest. Leaves dark shiny
green above with impressed
nerves; light green, shiny
beneath. Sterile.

Stipules thick, light green, 2 setulose,
cotriate. Only one seen.

10063. Erythroxylum cuspidifolium Mart. Erythrox.
(7)

live
wood LW
(A) NY
K W
F
CEPEC
NCU
K

Slender trees 2 m. tall
x 3 cm diameter. Bark
dark brown. Leaves shiny
medium green above, shiny
paler green beneath. Lamina
ascending.

10064. Erythroxylum cuspidifolium Mart. Erythrox.
(3)

K
F
CEPEC
foto
live - Al

Sapling 1.5 m. tall in
degraded primary forest.
Branches storied, horizontal.
Leaves shiny dark green above,

with prominent midrib; somewhat
shiny, paler green beneath.
Sterile.

MO
US
NY
NCU
F
CEPEC
UB
K
U
UBC

Erythrox.

10065. Erythroxylum martii Peyr.
det. T. Plowman 1980.

(10)
WOOD
(A) - FR
LE

Foto

SPF

WOOD
Uw
MADW

Slender shrub 3 m. tall
in margin of degraded primary
forest. Bark reddish brown.
Leaves dark lustrous green
with slightly impressed secondary
nerves. Somewhat shiny, pale green
beneath. Stipules pale green,
smooth, turning dark brown
with age. Fruits 15-16 mm long
x 7-8 mm diameter, red at
maturity. Only one seen.

10066. Brumfieltia clandestina Plowman sp. nov. Solanec.

(6)

F
CEPEC
K
NY
RB
GH

Shrub 3 m. tall in de-
graded primary forest. Leaves
dark green, shiny above,
slightly lighter shiny green
beneath. Fruiting calyx light
shiny green. Immature fruit green.

APR 12 1980

10067. Erythroxylum flaccidum Salzm. ex
(5) Peyr.

Tree 8 m. tall x 8 cm,
(A) lvs. diameter in degraded primary
woods. ^{Uw} MADW forest Leaves shiny dark green
above with prominent midrib, pale dull glaucous green
beneath. Twigs reddish
brown. Stipules rusty red-brown.
Sterile. Only one seen.

F
CEPEC
NCU
NY
K

10068. Erythroxylum grandifolium Peyr.
(9) ^{Erythrox.}
det. T. Plowman 1980.

Shrub 1.5-2 m. tall in
(A) fl, fr disturbed primary forest.
lf Bark smooth, whitish, some-
wood-Uw what shiny. Twigs light
rusty brown. Leaves dark
green, shiny, with impressed
nerves, sub bullate, light
shiny green beneath.
Stipules green. Petals
creamy white. Fruits
oblong, slightly curved,
16-17 mm long, 6-7 mm diam.

foto
F
CEPEC
NCU
K
NY
U
G
RB
US

eter, triangular in x-section.
only one seed

10069 Aegiphila macrantha Ducke Verbenac.
(5) Climber 5-6 m. tall in
forest margin along logging
road. Fruits green. det. Moldenke 1981.

→ Pavonia stipularis Krapoviches sp. nov.

10070. Pavonia calyculosa St. Hil. + Naudin Malvac.

(4) Treelet 4 m. in forest
margin along logging road.
Calyx and epicalyx green.
Corolla pale yellowish green.
Anthers yellow orange.
det. P. Fryxell 1980.

10071 Phyllanthus sp. nov. ? ^{det} _{W. R. R. 1982} Euphorb.

(5) Treelet 3-4 m. tall in
forest margin along logging
road. Fruits pendulous,
light green. det

10072 Eugenia Myrtac.

(3) Treelet 3.5 m. tall in
disturbed primary forest.
Fruits deep yellow.

APR 12 1980

10073. Vriesea duvaliana E. Morr. Bromel.
(3) Epiphyte on tree trunk
in forest margin along logging
road. Peduncle and bracts
bright red-orange. Perianth
greenish yellow. Lobes with green
tips. det. L. B. Smith 1980.

foto.
F
CEPEC
US

10074. Chiococca alba (L.) Hitch. Rubiac.
(7) Scandent shrub 3-4 m.
tall with spreading branches.
In open forest margin along
logging road. Corolla creamy
yellow. Frequent. det. J. H. Kirkbride
Jr. 1986.

F
CEPEC
UB
K
LA
NY
G

10075. Araeococcus parviflorus (Mart.) Lindm. Bromel.
(4) Epiphyte on tree trunk
along logging road. Pedun-
cle and infl. branches red-
purple. Fruits shiny,
greenish black. det. L. B. Smith 1980.

F
CEPEC
US
K

10076. Geissomeria macrophylla Nees Acanth.
(3) Unbranched shrub 1.5 m.
tall in disturbed primary
forest. Infl. axis red-purple.
Lyx dull red, corolla light

F
CEPEC
US

det. W. S. S. 81.

red orange, Fruits green.

10077.

Gram.

(1) Growing in forest margin
along logging road.

CEPEC

10078. Aechmea serinosa (Regel) L.B. Smith' Bromel.

(4) Epiphyte on tree trunks
in disturbed primary forest.
Leaves shiny green above,
shiny red purple beneath.
Fruits green, det. L.B. Smith 1980.

F
CEPEC

US

K

Cult.
SEL

10079. Psychotria cf. trichoneura M. Arg. Rub.

(2) Shrub 1 m. tall in
primary forest margin along
logging road. Fruits light
blue. det. P. Motekezitis 1985.

F
CEPEC

10080. Neea

Nyctag.

(3) Shrub 1-2 m. tall in
disturbed primary forest.
Pistillate flowers reddish
Fruits pale green

F
CEPEC

K

APR 12 1980

10081.

(3)

Tree 8 m. tall x 15 cm.
diameter. Pedicel and recep-
tacle red. Fruit green
turning black.

F
CEPEC
K

Laurac.

10082. Solanum

Solanac.

(5)

Treelet 4 m. tall in
open forest margin along
logging road. Corolla
creamy white. Fruits pale
green.

F
CEPEC
K
MO
RB

10083. Piper ? ilheusense Yunk. Piperac.

(4)

Shrub 1 m. tall in pri-
mary forest margin. Leaves
shiny dark green above,
dull pale green beneath.
Spikes erect, green. det. Kew 1982.

F
CEPEC
K
LA

10084. Cestrum GLOMERATUM FRANCEY Solanac.

(5)

Treelet 6 m. tall in
margin of primary forest
along logging road. Fruits
green.

F
CEPEC
K
MO
RB

DET. J. BLEWETT 1989

APR 12 1980

10085. Dorstenia appendiculata Mig. Morac.

(2)
F
CEPEC
U

Subshrub in forest margin along logging road. Receptacle green. Young fruits white. det. T. Plowman 1980. / C.C. Berg 1981.

10086. Psychotria platypoda DC. Rubiac.

(5)
F
CEPEC
UB NY
K

Shrub 1.5 m. tall in primary forest. Bracts red-purple. Fruits whitish. det. J. Kirkbr. de Jr. 80.

10087. Brumfelsia clandestina Plowman Solanac. Sp. nov.

(21)
F
CEPEC
G HRB

Treelet 6 m. tall x 8 cm. diam. Growing in primary forest margin. Bark yellowish brown, exfoliating in thin flakes. Leaves shiny medium green above; shiny lighter green beneath. Fruiting calyx shiny light green. Fruits dull green, immature.

f.to.
WOOD
FR (A)
EP
Z
UEC
UB
U
P
LA
SEL
one to

WOOD: Aw, MADw, Kw, Uw.

10087A. Snails

Lying on forest floor

APR 12 1980

10088. Atractantha robusta Gram. Bamb.

(3)

F
CEPEC

High climbing scandent bamboo, 8 m. long. Flowering branches pendulous, growing in margin of disturbed primary forest along logging road, det. T. Soderstrom 1980.

10089. Peperomia aff. obtusifolia (L.) A. Dietr. Piperac.

(2)

F
CEPEC
K

Succulent epiphyte on fallen tree trunk in forest clearing. Peduncle red. Spike cream. det. Kew 1982.

10090. Eugenia

Myrtac.

(1)

foto
CEPEC

Slender treelet 6 m. tall x 4 cm. diam. in primary forest. Fruit obovoid-flavous, white, flattened dorsally, 6.5 cm diameter, 4.2 cm long, with one large seed.

AI 10090 A. Calathea cf. rufibarbata

AI-10090 B. Calathea cf. kegeliana

BRAZIL: BAHIA: Municipio de Itacaré. 2 km.
south of town of Itacaré at second beach.
Approx. 14°17'S., 38°59'W. Near sea level.

Coll. T. Plowman, L.A. Mattos Silva &

T.S. dos Santos

12 Apr 1980

10091. Erythroxylum nobile O.E. Schulz
(2)

F
CEPLAC
P

Slender treelet 3 m. tall
on steep rocky forested hill-
side above beach. Leaves
shiny green above; pale shiny
green beneath. Flowers
creamy white.
Long styled plant.

10092. Erythroxylum nobile O.E. Schulz
(20)

AL

WOOD

(A)

MBM

UEC

SP

ICN

UBC

HRB

fotos

F

CEPLAC

NCU

us

U

RB

MO

LA

G

P

SPF

P

P

Treelet 6 m. tall x 3 cm.
diam. on steep rocky forested
hillside above beach. Bark
dark brown. Twigs some-
what shiny, light tan. Stipules
green turning dark red brown.
leaves at the branch tips,
dark shiny green above,
dull pale green beneath.
Flowers on the naked bren-

APR 12 1980

Ches, creamy white. Young
fruits green. Short-styled
plant.
3 seen.

10093. Bunchosia pallescens Skottsberg Malpigh.
(4) ^{ex chem.} Shrub 3 m. tall in
forest on steep rocky hillside
above beach. Fruits shiny
green. det. W.R. Anderson 1982!
- F
CEPEL
MICH
K

10094. Dulacis papillosa (Rangel) Steumer Olacac.
(5) Tree 7 m. tall x 12 cm
diam. in steep, rocky forested
hillside above beach.
Accrescent calyx dark green.
Fruit olive green. first fruiting
collection,
- F
CEPLAC
K
NY

10095. Anthurium bellum Schott Arac.
(2) Terrestrial with creeping
rhizome on steep rocky
forest hillside above
beach. Leaves very shiny
dark green above, shiny
light green beneath, Spathe
suberect greenish red, Spadix
dark red. SEZ 80-587.
- CEPEL (2)
F
live
SEL
AL

BRAZIL: State of Rio de Janeiro.

Rio de Janeiro. Parque Nacional
de Tijuca. Alto de Boa Vista, above
tourist park.

20 Apr 1980

Coll. T. Plowman

10096. Erythroxylum magnoliifolium St. Hil.

(2)

1
fotos
F
NY
Erect sparsely branched shrub
1 m. tall in hillside forest along
trail. Leaves dull dark green
above, paler dull green beneath.
Bark dark brown. Sterile.

Det. T. Plowman

10097. Erythroxylum cuspidifolium Mart.

(6)

new
F
fotos NY
UBC
AAU
U
Open branched shrub 1.5 m.
tall. Bark grey-brown. Leaves
somewhat shiny dark green above,
pale dull glaucous green beneath.
Sterile. Forest understory on hillside.

10098. Erythroxylum citrifolium St. Hil.

(3)

F
fotos AAU
Frequent shrub 2.5 m. tall
with open storied horizontal
branches. Leaves dark shiny

APR 20 1980

green above; shiny pale green beneath. Nerves somewhat impressed above, prominent beneath; margin undulate. Sterile. Growing along trail in forest margin.

Det. T. Plowman

→ Heteropsis spruceana Schott det Croat 1981.

10099. Heteropsis oblongifolia Kunth Arceuthobium
(2) det. T. Croat 1980.

10000 → Climbing vine on slender tree trunks with spreading pendulous branches. Sterile. Frequent. Forest understory.

→ Heteropsis selicifolia Kunth. var.

riedeliana (Schott) Engl. det. T. Croat 1985.

10100. Erythroxylum cinnamatum Mart.

(5)

folo densely branched shrub 1.5 m. tall in somewhat open forest on hillside. Branchlets dark red-brown. Leaves very shiny, dark green above, shiny pale green beneath. Flowers at tips of branchlets. Pedicel and calyx light green.

Det. T. Plowman

F
MAO

F
RB
NCU
NY
K

APR 21 1980

Brazil: Estado de Rio de Janeiro.
Município de Rio de Janeiro.
Jacarepaguá. Vargem Grande.
Mata da Lagoa, Alt. 150-350 m.

21 Apr 1980.

Collected by T. Plowman + D. Lucile

10101. Enthroxylum magnoliifolium St. Hil.
(18)

Erect shrub 1-1.5 m. tall
with few branches. Leaves dark
somewhat shiny above; pale
dull glaucous green beneath,
subcoriaceous. Bark light tan,
shiny. Buds yellow-green.
Fruits 13 mm x 3 mm, long-
ovoid; fusiform; dark dull
red.

+ Frequent
→ 10938

Det. T. Plowman

foto
A
wood: Uu
lvs → Al
Lyon
foto. NY
F UBC
RB P
NCU VEN
AAU MO
U G
K US
GH SP
GUA

(Mart.) Handl. & S.

10102 Tripogandra diuretica Commelinac.

(5)

Spreading herb with decum-
bent stems at base, growing
in moist roadside. Petals rose
pink. Anthers yellow. Sepals
green dark purple at base.

det. R. Faden 1981.

Foto
lvs → Faden
F K
RB NY
US

APR 21 1980

10103. Faramea

Rubiac.

F
RB

(2) Shrub 1.5 m. in hillside forest. Corolla pale blue.

10104. Posoqueria

Rubiac.

F
RB

(2) Treelet 3 m. tall in disturbed hillside forest. Fruits yellow orange, subglobose, 4 cm long, 3.5 cm. diameter.

10105. Psychotria leiocarpa (Cham. & Schl.) Rubiac.

F
RB
UB

(7)

VER
MO
U

seed K

Treelet 2-3 m. tall in disturbed hillside forest.

Fruits bright blue at maturity.

det. J.H. Kirkbride 1980.

10106. Psychotria nuda (C. & S.) Wawra Rubiac.

(3)

F
RB
U

Shrub 1.5 m. tall in understory of disturbed hillside forest. Calyx red. Corolla bright yellow.

10107.

Acanth.

(2)

F
RB

Subshrub 1 m tall in disturbed forest. Bracts + calyx lobes light green.

APR 21 1980

with dark purple margins.
Corolla cerise pink. Nec-
tar guide: white central stripe

10108. Oxalis neuwiedii Zucc. Oxalidac.

(2) Understory herb in hillside
forest, leaflets dark shiny
live-Al green with ^{dark} central silver stripe.
Leaves light shiny green
beneath. Petals yellow.

F
RB
"

det. P. Matekaitis 1983

Coussarea sp.

10109 Psychotria sp. Rubiac.

(4) Low spreading shrub 1
m. tall in disturbed hillside
forest. Leaves shiny dark green
hervess impressed, pale dull
green beneath. Fruits violet,
shiny, 2.5 cm long, 2.0
cm diameter.

F
RB
UB
2
u

10110. Mollinedia glabra (Spreng.) Perkins Monimiac.

(3) Shrub 2 m. tall with
spreading branches in dis-
turbed hillsides forest.
Fruits green. det. A. L. Peixoto 1980.

F
RB
u

APR 21 1980

10111. Philodendron elongatum Engl. Arac.
(2) Climbing vine on
1 fert. Uetruuk in hillside forest.
leaves shiny both sides,
live F dark green above, lighter
RB green beneath. Spathe
MO green
det. T. Croat 1982.

10112. Daphnopsis martii Meissn. ¹⁰Thymelaeac.
(7) det. P. Matekatis 1981 ♂
Shrub 1.8 m. tall in dis-
live F turbed hillside forest.
RB Petals cream.
U Frequent. Leaves shiny
NY dark green above, less shiny
K light green beneath.
G
MO

10113. Adiantum curvatum Klf.
(2) Growing in disturbed
live F hillside forest. det. R. Stolze 1980
RB

- AI 10113A. Dichorisantha ^(Live only)
Scrub. Erect herb 1 m.

- AI 10113B. Chondrodendron?

APR 21 1980

AAU 10114. Enthroxylum cuspidifolium Mart.
 NBC
 NY (13)
 U K
 F GH
 RB MO
 NCU LA
 GB

Tree 6 m. tall x 7 cm.
 diameter in understorey of
 disturbed hillside forest.
 Bark dark brown, not fissured.
 Leaves shiny dark green
 above; dull pale glaucous
 green beneath. Sterile.
 Frequent.

WOOD

leaf: chem.
 anal.

WOOD: Kw
 MADW
 AW
 Kw

Live only ↓

10114A. Dizudrollyra totianae Soderstrom

live AI Clumped grass in forest
 understory. det T. Soderstrom 1988.
 Foto SELBY = 10930. live FTG 81-698
 US

10114B. Aneura

AI-liv- fern.

10114C. Anthurium - palmate

live Terrestrial + climbing on
 trees in steep hillside forest.
 Sterile.

10114D. Randia

AI Cult. at Virgen Grande

APR 22 1980

BRAZIL: Estado Rio de Janeiro -
Muni. Cípio de Petropolis.

Fazenda Inglesa, Pati do
Alferes. Regime de Preserva-
ção permanente de IBDF.

22 Apr. 1980. Wet montane forest.
Coll. T. Plowman + Gustavo Martinelli

Alt 1140 m.

- F
RB
K
10115. Psychotria cephalantha (M. Arg.) Standl.
(2) Shrub 2 m. in hillside
forest. (FR. green?) det. P. Matekaitis 1983.
(Boeckl) C. B. Clarke
- MO
F
RB
NY
U
S
NY
K
10116. Pleurostachys distichophylla Planch.
(7) growing in dense clumps
on steep hillside above creek
in forest. Det. T. Plowman
- F
RB
MO
ISC
US
U
G
LA
10117. Pseudechinolaena polystachya (H.B.K.) Stapf.
(7) growing in moist forest
margin along road near creek
det. G. Davidse 1980.
- F
RB
US
CAS
U
P
10118. Leandra acutiflora (Naud.) Cogn. Melast.
(6) Shrub 2.5 m. tall in
steep road bank in forest margin.
Fruits light red-violet. det. J. J. Wurdack 1980.
C. B. Clarke
PTDF

10118A. Neomarmica lyonii
AI Lyon
SEL Mo. Bot. Forest slopes.

APR 22 1980

10119. Coccyzselum
(3)

F
RB
u

Creeping prostrate herb
in forest margin on steep
road bank. Frs. deep blue.

10120. Asplenium CLAUSSENII Hieron.


F
RB
u

(3) Fern on moist rocks in
creek in shady hillside forest
(DET. R. STOLZE, 1981)

10121. Anthurium harrisii (Grah.) Endl.

F
RB

(2)

Rosette epiphyte on ^{det} Croat 1981.
tree trunks and moist rocks
along creek in shady hillside
forest. Leaves bullate, dark shiny
green above, shiny light green
beneath. Petiole  Pedun-
cle olive green. Spathes dull
green, canaliculate. Spadix
dark purple. SEL 80-557.

live

AI
SELBY
CROAT
TP

10122. Psychotria leiocarpa Cham. & Schlecht.

F
RB
u
B
u

(4)

Shrub 2 m. tall in shady
hillside forest. Lvs. shiny dark
green above. Fruits skin
green.

det. P. Matekaitis 1983

APR 22 1980

F
RB
US
U
NY.

- 10123 Baccharis brachylaenoides DC. Comp.
(5) Shrub 2.5 m. tall in
forest margin along road.
Florets white. det. H. Robinson 1980.


F
RB
US

- 10124 Begonia digitata Raddi Begoniaceae
(3) erect subshrub 1.8 m.
tall in forest margin along
road. Fl. buds white. det. L.B. Smith
1980.

F
RB

- 10125 Fuchsia regia (Vandelli) Munz Gesneriaceae
(2) det. Ferry & Ramamoorthy 1981.
Scandent shrub on steep
road bank. Calyx tube, sepals
and filaments carmine red.
Petals deep red-purple. Anthers
dark red.

Line

- 10125A. Philodendron
Al, SELBY Terrestrial sprawler. 

- 10125B. Cyperaceae - Marpanesoid.
Al, SELBY understory herb

- 10125C. Philodendron - Climbing epiphyte.
Al, SELBY narrow lanceolate petiole shiny

- 10125D. Philodendron
Al, SELBY same as D but lvs. ovate.

APR 22 1980

Same data:

Alt. 1180 m.

Anthurium lhotskyanum Schott

SEL 10126. Anthurium cf. parvum N.E. Br. Ariz.

F (5)

det. T. ~~Plummer~~ ^{Croat} 1980.

RBAI
NO SELBY
K CROAT

live

Terrestrial herb on ridge top
in dwarf forest with bamboo.

Leaves shiny both sides. Petiole
and peduncle terete. Spathe
purple brown. Spadix dark
purple brown.

SEL 80-555

= 10169B

10127 Leandra sp. aff. L. dentata Cogn. Melast.

(5)

det. J.J. Wurdack 1980.

F
RB
US
CAS
U

Slender shrub 2 m. tall in
forest margin. Petioles red purple.
Leaves shiny dark green above,
pale green beneath. Calyx
light green. Petals + filaments
white.

10128. Lycopodium Lycopod.

(2)

F
RB
AAU

Pendulous epiphyte on
tree limbs in ridge top forest.

10128A. Anthurium

AI
SELBY

Palmeto creeper on boulders

live only

APR 22 1980

F
RB
foto
US

10129.
(212) Bromeliac.
Terrestrial rosette tank in
open ridge top forest with
bamboo. Peduncle dull red.
Bracts rose pink. Ovary + base
of calyx pruinose green. Calyx
lobes whitish at mid, apically
crimson pink.

ICW
F
RB
ACU
GH
NY
K
US
MO
SPF
MBM
GT
B
TEX
BR
U
GB

10130. Erythroxylum vacciniifolium Mart.
(17)

Tree 10 m tall x 12 cm.
diameter growing in low forest
on ridge top with bamboos.
Bark roughish, shedding, brown.
Branchlets ± storied; branch-
lets flexuous. Leaves very
shiny dark green above, pale
dull glaucous green beneath.
Stipules dull green turning
brown with age.
Sterile Frequent.

WOOD

10131. Erythroxylum vacciniifolium Mart.

(6)

wood F
RB
chem MCN
ICN
fotos GH
voucher NY
wood
MADW
LW

Treelet 3 m. tall in low open forest on ridgetop with bamboos. Leaves shiny dark green above, pale dull glaucous green beneath. Sterile.

10132. Vriesea longicaulis (Baker) Mez Brongel.

(3)

Seed F
RB
US

Trunk bromeliad, terrestrial in open low ridgetop forest with bamboos. Leaves shiny. Peduncle & bracts reddish brown. Calyx in fruit orange. Infl. rachis green. det. L. B. Smith 1980.

10133. Anthurium longifolium (Hoffmsg.) Kunth

(2)

F
RB

live
SLBY

Terrestrial Creeper on steep hillside in open ridgetop forest with bamboos. Petiole leaves shiny, both sides. Peduncle green. Spathe reflexed copper brown. Spadix dark purple.

APR 22 1980

10134. Mikania lindbergii Baker Comp.

F
RB
US

(3) Twining vine among shrubs in moist roadside thicket. Florets white.
det. H. Robinson 1980.

10135. Psychotria leiocarpa Cham. & Schlecht. Rubia

F
RB
U

(3) Shrub 1.5 m. tall in shady hillside forest. Leaves dark shiny green. Fruits still green. *P. subg. Heteropsychotria*, sect. *Heteropsychotria* ser. *Brachythyrsea* M. Am.
det. P. Matakaitis 1983.
det. D. Simpson 1980.

10136. Leandra quinqueidentata (DC.) Cogn. Rubiac.

F
RB
CAS
US
U

(7) Shrub 1.8 m. tall in steep roadbank in forest margin. Fruits deep blue-violet. det. J. J. Wundack 1980.

EX BURTT VAR. ERIOPHYLLA

10137. Gaultheria eriophylla (Pers.) Sleumer Ericac.

F
RB

(2) Erect shrub 1.5 m. tall in forest margin along road. Fruits blue-black at maturity. det. J. Luteyn 1982.

10138. Baccharis trimera DC. Comp.

F
RB
US
G

(4) Sprawling herb on steep roadbank. Florets creamy white. det. H. Robinson 1980.

APR 22 1980

- F
RB
MO
U
10139. Panicum parvifolium Lam. Gram.
 (5) Prostrate herb on moist open
 roadside, det. G. Davidse 1981.
- F
RB
NY
P
10140. Cuphea ingrata Cham. + Schlecht
 (4) Roadside weed. Flowers rose
 pink. det. A. Lourteig 1984.
- F
RB
US
GA
10141. Heterocondylus vautherianus (Dc.) Comp. K. + R.
 (6) Coarse herb 2 m. tall in
 forest margin along road.
 Florets red purple. det. H. Robinson
 1980.
- F
RB
US
U
10142. Jacobinia polita (Nees) Hiern. Acanthac.
 (4) Sub shrub 1 m. tall in
 forest margin along creek.
 Corolla bright red. det. W. S. W. W. W.
 1981.
- F
RB
U
10143. Selaginella flexuosa Spring
 (7) Growing on steep moist
 shaded road bank, det. R. G. Stolze 1983.
- F
RB
AAU
10144. Lycopodium reflexum Lam.
 (3) Erect herb on steep moist
 shaded road bank among mosses.
 det. R. G. Stolze 1983.

APR 22 1980

Bryophytes. (x5)

10145,

F growing on tree trunk in forest.

10146,

F growing on steep moist shady roadbank,

10147,

F growing on steep moist Shady roadbank.

10148,

F growing on steep moist shady roadbank.

10149,

F growing on moist rock in shady roadbank.

10150,

F growing on steep moist shady road bank.

10151,

F growing on steep moist shady road bank.

APR 22 1980

10152.

F Growing on steep moist
shady roadbank.

10153.

Hepatic.

F Growing on steep moist
shady roadbank.

10154.

F Growing on steep moist
shady roadbank.

10155.

F Growing on steep moist
shady roadbank.

10156.

F Growing on steep moist
shady roadbank.

10157.

F Growing on steep moist
shady roadbank.

APR. 22 1980

10157A Philodendron RECURVIFOLIUM SCHOTT

(1) Terrestrial, lanceolate petiolate,

SEUBY pruinose beneath,
80-556

10157B Philodendron

Terrestrial + epiphyte

Creepers.



Ageratum fastigiatum (Gardn.) K. & R. ←
det. H. Robinson 1980.

APR 22 1980

BRAZIL: Estado de Rio de
Janeiro Município Petrópolis.
Road from Araras to Vale de
Videiras, 5 km from Malta.
Alt. 1120 m.
22 Apr 1980
Coll. T. Plowman + G. Martinelli.

10158. Zygopetalum Orchid
(2) Terrestrial orchid on hill-
3 Feb 80 side in secondary thicket.
fot RB Petiole greenish yellow with
F brown spots. Lip white with
fine violet stripes.

10159. Vernonia ergyropappa Buek. Comp.
(3) Growing in road bank among
F shrubs. Florets light red-purple
RB det. M.O. Dillon 1980.
GA

— 10160. Alomia fastigiata (Gardn.) Benth. Comp.
(3) Growing among shrubs
F on hillside along road. Florets
RB lavender pink. det. M.O. Dillon 1980.
NY
WS

10161. Eupatorium (Chromolaena) squalidum DC. Comp.
(2) Erect subshrub among
F shrubs on hillside along road.
RB Florets lavender. det. M.O. Dillon 1980.

APR 22 1980

10162, Salvia confertiflora Pohl Labiat.

(6) Coarse aromatic herb
2 m. tall on open stream
bank. Corolla red. det. Harley 81

F
RB
K
U
NY
LA

10163, Stevia claussoni Jch. Bip. Comp.

(5) Erect herb along road
on hillside. Corolla tube dark
purple, Lobes pale pink.
det. M. Dillon 1980.

F
RB
US
P
K

10164, Bidens rubifolius HBK. Comp.

(4) Erect herb to 1 m. tall
in roadside thicket. Rays
bright yellow. det. M. D. Dillon 1980.

F
RB
US
P

10165, Tremblya parviflora (Don) Cogn. Melastom.

(3) Erect shrub 2 m. tall
in hillside thicket. Petals
white. Filaments deep red.
det JJ Woodcock 1980.
subsp. Heterostemon (Dc.) Cogn. var. latifolia Cogn.

F
RB
US

10166, Vanhouttea calcarata Gesneriac.

(5) Shrub 2.8 m. tall in
shrubby thicket on hillside.
Stems succulent purple-brown.
Corolla pale red-orange.

F
RB
US
U
SEL
AI
UC
SEL
Seed
UC
SEL

APR 22 1980

10167 Anemia villosa H. & B. ex Willd. Schizaceae

F
RB
NY

(3) Terrestrial fern in secondary forest on hillside.

det. R. Stolze 1980.
Campyloneurum herbaceum (Christ in Schwachg.) Kell.

10168

F
RB
US

(3)

HLA
SEL
AIF.

Polypodium sp. aff. P. xalapense

Polypod.

Growing on boulders in steep ravine in shade of trees.
det. R. Stolze 1980.
det. Lellinger 1986.

10169. Polypodium recurvatum Klf. Polypod.

det. R. Stolze 1980. (Pinnate)

(4)

Growing in accumulated

humus on large boulders in steep ravine in shade of trees.

SELBY
LYON

live → Lyon Arb 25 Oct 81

live Only
10169A. Polypodium

live - AI Similar to 10169

10169B. Anthurium sp.

SELBY TP

AL
CROAT
LYON

On steep hillside in shade.
SEL 80-578. (= 10881 JF)

10169C. PHILODENDRON CF. ESPIRITOSANTO

AI SELBY

SEL 80-566

10169D. Begonia

seed. Terrestrial in food

BRAZIL: State of Rio de Janeiro. Rio de Janeiro. District of Jardim Botânico. Horto Florestal. Represa de Cabeça.

Coll. T. Plowman

25 Apr 1980

10170. Erythroxylum cinnamatum Mart.

(12)

Det. T. Plowman

FR → (A) Shrub 1.5 m. tall in steep hillside forest. Leaves shiny medium green above; less shiny light green beneath. Flower buds cream. Fruits more or less trigonal, white red.

F
NY
U
K
GTH
MO
GT

LA
P
US

10171. Tripogandra diuretica (Mart.) Handl. Commel.

(2)

F
RB

liri.
Faden

Decumbent herb in forest margin along road. Petals and filaments pure white.

det. R. Faden 1981-

APR 25 1980

10172. Erythroxylum cuspidifolium Mart.

(4) Shrub 1 m. tall in steep

live AI hillside forest. Sterile.

(= 10944)

Det. T. Plowman 1980.

F
RB
P
US
G

10173. Erythroxylum pulchrum St. Hil.

(5) sapling 1-1.5 m. tall in

steep hillside forest. Leaves dark shiny green above, with lighter green midrib and lateral nerves; shiny light green beneath with darker green fine reticulate veinlets.

= 10943.

Det. T. Plowman

F
RB
Ncu
U
SP
live
AI

10174. Erythroxylum cinnamatum Mart.

(18)

Det. T. Plowman

→ AI

Shrub 1.8 m tall with

wood spreading branches flattened (live → Lyon) in one plane. Leaves medium green shiny above, light green shiny beneath. Sterile.

(⇒ 10935)

F
RB
Ncu
UBC
VEN
MO
AAU
GB
SEL
U
UB
G
WIS
SP
K
GH
NY
UEC
ICN

APR 25 1980

Live only

10174A. Dichorisandra

(3) Young plants with
Eden variegated leaves.
cf. 10113B.

10174B. Begonia maculatum

(1) Erect herb.
photo

10174C. Siderasis (Pyrheimen)

(1) fuscata
Eden Collected here but cult.
at Jardin Botánico.

10174D. Adiantum "radiatum"

AI (1) Terrestrial herb.

10174E. Anemia "pinnata"

Terrestrial herb.
SELBY

10174F. Schizoc.?

Terrestrial herb.
AI
SELBY

APR 25 1980

10174G Raddia brasiliensis Bertol.
AI
SELBY US Lyon grass in hillside forest
= 10931. FTG 81-697

10174H. Ichneanthus?
A "

10174I. Pharus lappulaceus gram.

AI
US wis
Lyon

10174J. Cryptochloa capillata (Nees) Soderstrom
AI " (10163) det. T. Soderstrom
1982

10174K gram.
AI "

10174L. Cyperaceae
AI
SELBY PTBG axillary infl. - rhizomatous.
several culms.
Forest.

10174M. Heliconia
AI In hillside forest Sterile

10174N. Heliconia
Allen Fernandely. In hillside forest. Sterile
SELBY = 13339.

APR 25 1980

10174 P Dichorisandra
USAFOLM scandent-erect herb on
top of large boulder.

10174 Q Peperomia
SEL on large boulder in forest

10174 R Anthurium
AI Terrestrial on steep hillside
SELBY 80-560. Rosette. Petiole lanceolate
lvs.

10174 S. Philodendron CF. CRASSIFOLIUM
AI Creeping terrestrial vine
SELBY on open rock outcrops.
Lvs. leathery, strap shaped
SEL 80-561 (probably)

10174 T. Polypodium -
SELBY Epiphyte.

~~10174~~

10174 U. Commelinaceae: Aneilema
Weed in nursery at
Jardin Botánico.

APR 30 1980

Brazil: São Paulo. São Paulo.
Instituto Botânico.

30 Apr. 1980.

10175. Anthurium

live
only
CIRAT
Waima
Terrestrial rosette or
epiphytic on tree trunks. Lvs.
shiny both sides.
Herb. spec. ex cult = Plowman 13917!
Herbarium material collected.
2+ SP.

10176. Dichorisantha

live
only
Lyon
AIF.
Faden
Tall herb 1-2 m. with
slightly bullate leaves.

10177. Pharus

56LB7
Clumped herb in secondary
forest.

live
only

10178.

(1).

Al

Cyperaceae

APR 30 1980

10179. Brugmansia suaveolens
Pharmacy Dept, Univ. São Paulo.
Fls. pink.
live only
Lyon
PTBGT

10180. Brumfelsia brasiliensis
(Spreng.) Smith + Downs.
lots.
Seed.
Al-Lyon
NY
PTBGT
Waiman
Banta
Shrub 1.4 m. tall cultivated
in nursery, Parque do Estado.

MAY 23 1980

Pennsylvania: Dauphin County,
Lower Paxton Township,
Route 88, near Beaver Creek.
23 May 1980.

10181. Wisteria sinensis Sweet Legum.
(3) Liana 5 m. tall cultivated
on tree trunk. Corolla blue-
violet.
F
BH

10182. Aegopodium podagraria L. cv. 'Variegatum' Umbellif.
(1) Cultivated herb. leaves
variegated light green and white.
Flowers white.
n.v. Snow in the mountain.
F

10183. Galium aparine L. Rubiac
(2) Sprawling herb in woods.
Corolla white.
F
PAC

10184. Poa pratensis L. Gram.
(4) Grass in old field.
F
MO
MEXU
UB

10185. Carex Cyper.
(2) growing moist woods along
stream.
F
PAC

MAY 23 1980

10186. Carex rosea Schkuhr ex Willd.

F
PAC (2)

Growing in margin of woods.
det. C. S. Keener 1983.

PH
FAC (5) 10187. Bromus tectorum L.

Gram.

Grass in old field.

det. F. Swink 1984.

PA
F
PH (3) 10188. Bromus

Gram.

Grass in old field.

10189. Anthoxanthum odoratum L.

Gram.

F
LP
UB
MEXU (4)

Grass in old field.

10190. Cardamine bulbosa (Schreb.) BSP. Cracif.

F
PAC (2)

Slender herb with fleshy
rhizome in moist woods
along stream. Petals white.

10191. Dentaria laciniata Muhl. Cracif.

F
PAC (2)

Herb with tuberous
rhizome on slope in woods
above stream.

MAY 23 1980

10192. Lepidium campestre (L.) R. Br. Crucif.
F (1) Herb in old field. Flowers
White det. P. Matekaitis 1983

10193. Erythronium americanum Ker Lilac.
(1) nv. trout lily
F Bulbiferous herb in woods
On slope above stream.
Capsule green.

10194. Hesperis matronalis L. Crucif.
(2) nv. Dame's Rocket
F Frequent herb on stream
PAC banks and in adjacent open
woods. Petals light magenta.

10195. Ellisia nyctelea L. Hydrophyll.
(3) Weak herb in moist woods
F along stream. Young fruit
PAC green.
PH

10196. Claytonia virginiana L. Portulac.
(1) nv. spring beauty
F Weak herb in moist woods
on slope.

MAY 23 1960

10197. Ornithogalum umbellatum L.

F (1)

Bulbiferous herb in low
moist woods along stream.
Flowers white.

10198.

F (4)

PAC
NY
PH

Forming dense clumps
at edge of stream, partially
inundated.

Cyperac.

10199. Bromus

Gram.

F
PAC (2)

Growing at edge of stream
in wet mud.

10200. Triosteum angustifolium L.

Cypripifol.

(2)

F
PAC

Herb forming small clump
in open old field. Corolla
very pale yellow.

10201. Cornus florida L.

Cornac.

(2)

F
PAC

Treelet 5 m. in forest
margin along old field.
Bracts white

MAY 23 1980

10202. Crataegus

Rosa.

F (3) Treelet 3.5 m. in moist
PAC woodland margin along stream.
GH Petals white, foetid-fragrant.

10203. Elaeagnus angustifolia L.

Elaeagnac.

(4) nv. Russian Olive
Cultivated shrub in old
F field. Flowers pale yellow,
BH strongly fragrant.
PAC
MO

10204 Viburnum prunifolium L.

Caprifol.

(3) Treelet 4 m. in hedge row
F along old field. Flowers white.
PAC
MO

10205. Lonicera ~~tartarica~~ ^{maackii (Rupr.) Maxim.} L.

(Caprifol.)

(3) nv. Tartarian Honeysuckle
Cult. shrub 2 m. Corolla white
F with pink tips, turning yellow-
BH orange with age. Fragrant.
PAC

MAY 23 1980

10206. Sassafras albidum (Nutt.) Nees Laurac.

F
PH
PAC
(3)

Treelet 4 m. tall in hedgerow
along old field. Flowers greenish
yellow.

10207. Antennaria Comp.

F
(4)

Herb forming dense colony
in sterile old field.
Heads silvery pink.

10208. Prunus avium L. Rosac.

(2)

F
PAC

nr. sweet cherry

Tree 8 m tall along Hickory
lane. Bark black. Fruits imm.
light green. Petioles red.

det. P. Matekaitis 1983

10209. Mazus japonica (Thunb.) Ktze. Scroph.

(3)

F
BH
PAC

Cultivated herb as ground
cover. Corolla blue violet
Lower lip with central white
stripe dotted with reddish
brown spots.

MAY 23 1980

10210. Arenaria serpyllifolia L. Caryophyll

(2) Delicate herb in margin
of woods. Petals entire, white.

F
PH

10211. Penstemon pubescens Sol. Scroph.

(2)

Herb in dry field. Corolla
tube pale violet, upper lip very
pale violet, lower lip white
with yellow nectar guide.

F
NY

10212. Geranium ^{or Columbinum?} carolinianum L. Geran.

(1)

Herb in old field. Petals
pale pink.

F

10213. Glechoma hederacea L. Labiat.

(4)

Herb in woodland margin.
Corolla blue-violet. Lower lip
with white stripe dotted with
maroon spots.

F
MBM
PH
MO

MAY 23 1980

10214. Carex cephalophora Muhlenberg ex Willd. Cyperac.
F (2) Growing in open marshy
PAC area along stream.
G det. C. S. Keener 1983.
10215. Carex amphibola Steudel Cyperac.
F (5) Growing in open marshy
PAC area along stream.
GH det. C. S. Keener 1983
10216. Carex amphibola Steudel Cyperac.
F (1) Growing in open marshy
PAC area along stream det. C. S. Keener 1983.
10217. Carex rosea Schkuhr ex Willd. Cyperac.
F (2) Growing in open marshy
PAC area along stream det. C. S. Keener
NY 1983.
10218. Eleocharis Cyperac.
F (1) Growing in open marshy
area along stream.
- 10218-A. Carex cf. C. squarrosa L. Cyper.
F (2) Sedge
PAC det. C. S. Keener 1983.

Chicago, Illinois.

18 June 1980. Shedd Aquarium

10219. Lepidodictyum riparium (Hedw.) Warnst. Musci

F Moss growing on sides of fish tanks and floating on surface. Thought to be introduced from South America or S.E. Asia. det. Bruce H. Allen 1984.

10220. Syngonium

(5) Cultivated & vine in fish tanks, forming dense tangle. Sterile. Stems with abundant milky latex.

SEL
MO
F
K
u

19 Dec 1986 : Chicago, Illinois

10221. Brunfelsia grandiflora D. Don

(11) Cult. Shrub 1 m. tall. Corolla violet with white eye at throat, fading to pure white with age.

MG

Grown from cutting collected at Oureno, Prov. Napo, Ecuador. (Plowman et al. 4053).

Chicago, Ill. 18 June 1980.

10222. Erucastrum gallicum (Willd.) ^{P.E.} Schutz Crucif.

(2) Weed growing in sidewalk
crack at 11th & Wabash.
Fls. yellow.

F

Pennsylvania: Sullivan County.
Loyalsock Creek. 10 June 1980.

10223. Phalaris arundinacea L. ^{gram.}

(1) Growing in open area along
creek.

F

Petersham, Massachusetts. 29 Apr. 1979.
Harvard Forest. Greenhouses.

10224. Erythroxylum coca Lam. var. ipadu Plowman

(3) Spindly Shrub 0.6 m. tall. Fls.

creamy white.

F
INPA
LA

Grown from cuttings collected in Peru,
Rio Ampiyacu. Pucá Urquillo. 5 Apr. 1977.
Plowman, Schultes + Tover 6663.

Clonotype.

10225. Erythroxylum coca Lam. var. ipadu Plowman

F(1) same date as 10224

10226. Erythroxylum coca Lam. var. ipadu Plowman

(1) same date as 10224.

F

10227. Erythroxylum coca Lam. var. ipadu Plowman

(2) same date as 10224.

USB
F

10228. Erythroxylum coca Lam. var. ipadu Plowman

(1) same date as 10224.

BOG

10229. Erythroxylum coca Lam. var. coca

(4) Cult. Shrub 1.5 m. tall with spreading branches. Fls. creamy white.

F
DEK
ECON
INPA
NY

Fruits red, shiny at maturity.

Grown from seeds collected

in Peru: Dept. Ayacucho,

Prov. La Mer. San Francisco

on Rio Apurimac. Alt. 1920 feet.

4 Jan. 1975. Plowman et al. 4711

10230. Erythroxylum coca ^{Lam.} var. coca

F
DEK (3)

Same data as above.

10231. Erythroxylum coca Lam. var. coca

F (2)

Same data as 10229.

BOG
USB

10232 Erythroxylum coca Lam. var. coca

F (4)
COL CR
VEN

Same data as 10229.

10233. Erythroxylum coca. Lam. var. coca

(4) F
MARY
NY COL
Same data as 10229.

10234. *Erythroxylum* coca Lam. var. coca
ECON (4) Same data as 10229.
F
TEX

10235. *Erythroxylum* coca Lam. var. coca
(4) Cult. shrub 0.5 m. tall with
F spreading branches. Sterile.
NY Grown from seeds collected in
MO Bolivia: Dept. La Paz. Prov. Nor-Yungas.
MARY Between Coroico + Ayapata. Alt.
1760 m. 23 Feb 1975. Plowman +
Devis 5179

10236. *Erythroxylum* novogranatense (Morris)
(1) Hieron.
F Shrub 0.6 m. tall. Lvs. bright
yellow green. Fls. creamy white.
Grown from seed collected at Fairchild
Tropical Garden, Miami, Florida.

10237. *Erythroxylum* novogranatense (Morris)
(2) Hieron.
MHA Same data as 10236.
TEX

10238. Erythroxylum ulei O. E. Schulz

(2) Cult. shrub with spreading branches.

0.5 m. tall. Sterile.

Grown from cuttings collected
in Colombia: Dept. ~~Cundinamarca~~

Tolima: Hacienda Corinto entre
Melgar y El Carmen de Apicalá.

450 m. 19 Aug. 1974. (Norman

et al. 4184)

Chicago, Illinois. 20 July 1980.

10239. Peperomia marmorata Hooker

(1) Cult. plant sent to Field.

F Museum. Collected by Eliane

M. Norman, June 14, 1979

Barro Colorado, Prov. Napo. Río Napo.

Monkey Island near Primavera.

det. R. Callejas 1984

Plant somewhat succulent.

Stem + petioles deep pink. Lvs.

shiny above, medium green with
silvery stripes between nerves.

pale dull green beneath.

Spike pale green.

Chicago, Illinois 14 Aug 1980.
Univ. Chicago.

10240. Philodendron sagittifolium Liebm.
(1) det. T. Croat 1985

F abaxial Cult. compact herb. Petiole +
Costa dark red. Leaf medium green
both sides. Spathe dark red. Axes
pink. Ovary white. Stigma red.
a hybrid from John Banta.

10241. Peperomia capurata Yunch.
(1)

F Cult. herb purchased in plant
shop. Stem succulent, pale green.
Petiole greenish white. Leaf blade
shiny, bluish green above, ^{very} pale
green, dull beneath. Spikes
cream.

Chicago, Illinois 13 May 1979.

10242. Anthurium "crispimarginatum"

(1) Cultivated plant. Spathe
F light green. Spadix cream.

ANTHURIUM AFFINE SCHOTT

DET. T. CROAT 1987

Chicago, Illinois 22 Aug. 1980.

10243. Phlox paniculata L.

- F (3) Erect perennial 0.7 m. tall
cultivated. ~~Fls~~ Flowers deep
pink to pale pink.

10244. Datura innoxia Miller

- F (4) Foetid herb 0.6 m. tall
with spreading ~~sp~~ branches.
Glyx ^{pale} green, turning yellow,
cuducous. Corolla white,
opening in late afternoon,
lasting ~~and~~ only one day.
Fruits green.
Grown from seed collected
at Sao Paulo, Brasil.
-

7 Sept 1980 Chicago.

10245. Salix

- F (3) Leafy shrub 1.5 m. tall
growing at corner of Melrose &
Halsey Sts. Lvs. dark green
~~beneath~~ above, glaucous beneath.
Petioles reddish, Spikes silvery.
Flowering on new shoots.
Cultivated?

10246. Lycium chinense Mill.

- (3) F Cult. Long scandent vine scrambling over shrubs in garden at 3300 m. alt. Corolla tube greenish white. Lobes red-violet with white stripes at center. Filaments white. Fruits still green.

10247. Polygonum (Tovara) virginianum L.
ver

- (3) F Erect herb 1.5 m. tall cultivated ~~on~~ on Reta Street (3500 N) Flowers cream to greenish white.
-

10248. Erythroxylum Coca Lam.

- (2) F Ver. Coca commercial Huizuc
ECON Sample of leaves sent by
F ENACO to Botanical Museum.
26 Jan. 1980.

10249. Erythroxylum novogruentense

- (2) F var. cruxillense (Remy) Plowman
ECON Sample of Trujillo Coca leaves
F sent by ENACO to Botanical
Museum. 26 Jan. 1980.

New Hampshire, USA.

20 Sept. 1980.

Portsmouth.

10250. Chelone 1 m.

F (1) Cult. herb. Corolla deep red-purple.

~~New Hampshire: Rockingham County.~~

New Market: Dame Road. 20 Sept 1980

F 10251. Zinnia elegans Comp.
(1) Cult. herb 70 cm. Fls scarlet.

F 10252. Cosmos bipinnatus Cav. Comp.
(1) Cult. herb 1 m. Rays rose pink.
det. M. Dillon 1984.

10253. Silene aemeria L. Caryophyll.
F (1) Cult. herb. Petals pink.

10254. Ipomoea purpurea (L.) Roth Convolv.
F (1) Cult. vine. Corolla deep magenta.

10255. Ipomoea tricolor Cav. Convolv.
F (1) Cult. vine. Corolla pure white.

10256. Ipomoea tricolor Cav. Convolv.
F (1) Cult. vine. Corolla sky blue.

10257. Rubus idaeus L. Rosac.
F (1) Cult. armed shrub, 1.5 m. tall. Frs. deep

red.

10258. Aster
F_{MO} (2) Edge of woods in sandy soil. Rays
white.

10259. Solidago caesià L.
F_{MO} (3) Edge of woods in sandy roadbank.
Fls. deep yellow.

New Market: Bay Road.

10260. Solidago graminifolia (L.) Sals.
F_{MO} (2) Open roadside near salt marsh.
Fls. deep yellow.

10261. Helianthus decapetalus L.
F_{IND MO} (3) Sandy roadside in edge of woods.
Rays yellow. Forming dense colony,
near Crommett Creek - det. C. Kiser 1983.
Limonium carolinianum (Walt.) Britt.

10262. ~~Plumbago~~ det. C. Niezgoda 1984
F (1) Growing in edge of salt marsh
on rocks. Fls. pinkish brown.
Crommett Creek.

10263. Aster praealtus Pur.

F (1) Open sandy roadside next to salt-
marsh. Rays blue-violet. Crommett Cr.

10264. Atriplex hastata L. Chenopod.

- F (1) Edge of salt marsh among
rocks. Crommett Creek.
det. C. Niezgoda 1984.

10265. Salicornia europaea L.

- F (1) Edge of salt marsh on rocks.
Crommett Creek.

10266. Spergularia marina (L.) Griseb.

- F (1) Among rocks at edge of salt marsh.
Fls. white. Crommett Creek.
det. C. Niezgoda 1984.

10267. Helianthus tuberosus L.

- F (1) Herb 3 m. tall in moist open
thicket on roadside.

10268. Spartina pectinata Link

- F (2) sandy roadside next to salt -
marsh. Crommett Creek Bridge.

10269. Polygonum articulata (L.) Meissn.

- F (1) Barren sandy roadside next to
salt marsh. Fls. cream, tinged rose
pink. Crommett Creek.

10270. Solidago sempervirens L.
maritima

- (2) Edge of salt marsh. Fls. deep
yellow. Crommett Creek.

10271. Aster
F Mo Edge of woods and shaded roadsides.
Abundant. Rays light blue.

10272. Solidago altissima L.
F Mo (2) Open sandy roadsides. Fls. deep
yellow.

10273. Solidago bicolor L.
F Mo (2) Roadsides and edge of woods.
Fls. silvery cream.

10274. Aster
F (1) Open sandy sterile roadside. ~~Fls.~~
Rays white.

10275. Solidago speciosa Nutt.
F Edge of woods along road.
Fls. deep yellow.

10276. Aster acuminatus Michx.
F (1) Open sandy roadsides. Rays ~~white~~
light blue.

10277. Aster umbellatus Mill.
F (1) Moist roadside thicket + woodland
margin. Rays white.

10278. Solidago ulmifolia Muhl.
F (1) open sandy road banks. Flowers
deep yellow.
-

Bedford, MASS.

21 Sept. 1980. North Road.

10279. Allium ^{cepa} ~~porrum~~ var. viviparum
F BH (4) "Egyptian Onion"
CEL Cult in garden.

10280. Allium
F BH (3) "Leek". Cult. herb. Petals white
MO

10281. Allium schoenoprasum L. Liliac.
F "chives" Cult. herb. Fls. ^{light} red-violet.
-

Rockingham County
New Market, New Hampshire
20 Sept 1980.

10282. Calamagrostis
etymus Gram.
F ISC (3) Forming large clumps in moist
MO roadside

10283. Solidago graminifolia (L.) Salisb.
F (1) open sandy roadside. Fls. deep yellow.

F 10284. Muhlenbergia Gram.
ISC (3) Moist roadside, woodland margin.
MO

on Pennsylvania: Dauphin County.
Lower Paxton Twp. Beaver Creek
below Route 88.
21 Sept. 1980.

F 10285. Bidens tripartita L.
(1) Streambank.

F 10286. Bidens cernua L.
(1) Streambank. Rays yellow.

F 10287. Carpinus caroliniana Walt.
PAC (2) "Hornbeam." Tree 6 m. with spreading
crown. Wooded streambank.

F 10288. Scutellaria lateriflora L.
PAC (4) Open streambank among rocks. Fls. pale
K blue. det. C. Mezgala 1984.
PH

F 10289. Physocarpus opulifolius (L.) Maxim. Rosac.
PAC (2) Shrub 2.5 m. tall on streambank.

F 10290. Boehmeria cylindrica (L.) Sw. Urticac.
PH (2) Herb on ^{open} streambanks.

F 10291. Penthorum sedoides L.
pac (2) Herb on stream banks. Fr. green.

10292. Cuscuta polygonorum Engelm.
F (1) Growing on Polygonum and Amphicarpaez. Fls. cream.

10293. Pilea pumila (L.) Gray ^{low} Urtic.
F (2) Succulent-stemmed herb in shady
PH woods.

10294. Lycopus americanus Muhl.
F (1) Herb on ^{open} stream bank. Fls. white.
det. C. Niezgoda 1984.

10295. Polygonum arifolium L.
F (2) Scandent herb on shaded stream
MBM bank

10296. Gentiana andrewsii Griseb. var. andrewsii
F (1) Small colony growing on open
disturbed areas along stream.
Corolla deep blue-violet.
det. C. Niezgoda 1984.

10297. Panicum capillare L. Gram.
F (1) Open Stream banks.

10298. Polygonum persicaria L.

F (2) Weedy Herb on open sandy streambank.
PH Fls. white.

10299. Polygonum persicaria L.

F (3) Herb on sandy stream edge in
PH sun. Fls. deep rose.
NY

10300. Polygonum scandens L.

F (3) Climbing herb in dense thickets
PH on open streambank. Frs. green.
MBM

10301. Bidens comosa (Gray) Wieg.

F (3) Herb in streambed among rocks.
PAC Semi-prostrate. Heads yellow-orange.
TEX

10302. Rudbeckia laciniata.

Comp.

(2) Cone flower

F Coarse herb 2.5 m. tall in open
PAC moist thickets along stream. Rays
yellow.

10303. Pycnanthemum tenuifolium Schrad.

(1) "Horsemint" Old field. Fls. white.
F Aromatic foliage.

10304. Laportea canadensis (L.) Griseb. Urticac.
F (2) Herb in bottomland woods.
PH FRs. light green.

10305. Aster novae-angliae
F (1) growing in old field. Rays
deep violet.

10306. Gram.
F (1) Delicate grass in margin of
woods along stream.

10307. Leersia virginica Willd. Gram.
~~Sparganium~~

(1) Delicate woodland grass.
F In bottomland woods along
Stream.

10308. Hypericum boreale (Britt.) Bickn.
F (2) Diminutive herb on moist pro-
PAC tected stream bank. Fls. yellow.
det. C. Niezgoda 1984

10309. Panicum longinosum Ell. Gram.
F (2) Growing on open ^{sandy} streambank -
PAC gentilis L. det. R. Harley

10310. Mentha ~~arvensis~~ L. 1986 Lab.
F (3) Open ~~stream~~ edge wet
PAC ~~stream~~ on rocks.
Corolla pale violet.

10311. Triodia flava (L.) Smyth. Grzm.
 F (2) Growing in mowed pasture.
 PAC K. Spikets red-purple.
10312. Viburnum prunifolium L. Caprif.
 F (2) Treelet 4 m. tall. Rachis red.
 PAC Fruits blue-black at maturity.
10313. Verbena urticifolia L. var. urticifolia
 F (2) Growing on exposed rocks in
 PAC stream. det. c. Niégoda 1984.
10314. Solidago altissima L.
 F (1) Herb in old field. Fls. deep yellow.
10315. Solidago ulmifolia Muhl.
 F (1) Growing in old field. Fls. deep yellow.
10316. Muhlenbergia semi- Grzm.
 F (2) Growing on shaded sandy streambank.
10317. Panicum latifolium L. Gram.
 F (4) Growing in patches on semi-shaded
 PAC ISC streambank.
10318. Polygonum sagittatum L.
 F (1) Scandent herb in moist open thickets. Fls.
 white.

10319. Lobelia siphilitica L.
F (1) Sandy and rocky streambanks
in sun. Corolla light blue.

10320. Perilla frutescens L.
F (2) Annual herb on open sandbar
PAC in sun along stream. Not culti-
vated. Leaves dark purple,
fragrant.

10321. Chelone glabra L. Scroph.
F (1) Rocky streambanks in
partial sun. Corolla white.

10322. Epilobium coloratum Biehler ^{det. C. Meekoda 1984.}
F (1) Streambanks in sun. Fls. pale pink.

10323. Solidago CAESIA L.
F ~~10323~~ ~~Woodland~~ ~~ternum~~. Fls. yellow.

Pennsylvania: Dauphin County.
Stony Creek Valley. Above Ellendale.
23 Sept 1980.

10324. Helianthus divaricatus L.
(2) Woods margin along old RR.
F bed. Rays yellow.
PAC

10325. Lespedeza hirta (L.) Hornem. Leg.
F (1) Growing on old railroad bank in
cinders. det. C. Niezgoda 1984.

10326. Scirpus Cyperac.
F (2) Rocky streambanks in mature
hemlock forest.

10327. Eupatorium Comp.
F (1) Old field margins. Fls. pale pink.

10328. Eupatorium Comp.
F (1) Old field margin. Fls. Cream.

10329. Baptisia tinctoria (L.) Br.
(1) On cinder bank of old railroad
bed. Fls. blue-black. det. P. Matekaitis 82
F PAC

10330. Panicum dichotomum L. Gram.
F (1) Sandy streambank in mature
hemlock forest.

10331. Solidago flexicaulis
(2) Woodland clearing in mature
hemlock forest. Fls. yellow.
F PAC

10332. Hypericum punctatum Lam.
F (1) On stream bank in forest
Fls. green. det. C. Niezgoda 1984.

10333. Epifagus virginiana (L.) Bart. Orobanch.
F (1) Sessile among beeches
in hemlock forest. Whole plant
dirty pink. Flowers tinged
dark purple.

10334. Aster Comp.
F (1) On mossy streambanks in
hemlock forest. Rays white.

10335. Bartonia paniculata (Michx.) Muhl. Gent.
F (1) Slender leafless herb among
mosses in streambank in forest.
Fls. pale green.

10336. Ilex verticillata
F (1) Spreading shrub 3 m. tall
on streambanks in forest.
Fruits bright red.

10337. Panicum dichotomum L. Gram.
F (1) Tufted grass in ^{open} moist places
along streambanks.

Chicago. 18 Oct 1980.

10338. Cannabis sativa L.

(1) Weed in flower pot. Field
F Museum.

Chicago, Ill. 24 Jan 1981.

University of Chicago greenhouse

10339. Peperomia dolabriformis HBK.

(1) Cult. Erect succulent herb.
F Spikes & rachis yellow.

10340. Rhipsalis mesembryanthoides Haw.

(1) Cult. Erect succulent
F Spreading herb. Fls. white.

10341. Peperomia

(1) Cult. Erect succulent herb. ~~Rachis~~
F Lvs. canaliculate above. Rachis
and spikes pale yellow green.

10342. Rhipsalis houlletiana Lem.

(1) Cult. pendent cactus.

F Fls. tube yellow green, golden
yellow apically.

10343. Peperomia

- (1)
F Cult. erect sprawling succulent herb. Stems purple-black. Petioles red-purple. Lf. above dark green with whitish veins, dull; shiny red purple beneath. Peduncle red-purple. Spikes brownish green. Anthers cream. ()

10344. Peperomia incana (Haw.) Hook.

- (1)
F Cult. sprawling succulent. Lvs. shiny dark green above, dull yellowish-green beneath; stem + peduncle pale green. Spike olive green. Anthers dark red-purple. Pollen white.

10345. Costus

- (1)
F Cult. herb 0.5 m. tall. Stem + leaf undersides shiny red-purple. Lvs. above dull dark green. Bracts dark red, appendages pale green with red blush. Calyx red. Corolla white, lobes pink. Stem inside white, spicily pink, yellow nectar guides.

Plant originally from Monroe
Birdsey, Miami, Florida.
(Plowman 6348).

10346. X Citrofortunella mitis (Blanco)

(1) J. Ingram + H. E. Moore

= "n." (Lemon d'orange).

Cult Shrub. 1.5 m. Frs. 4 cm., globose.
armed

10347. Dalbergia florida

(1) Cult. Arching herb grown in
hanging basket. Lvs. dark shiny
green above, pale^{gr.} dull beneath
with red-purple blotches near
apex. Calyx yellow-orange with
green teeth. Corolla golden yellow.

10348. Erythroxylum?

(3) "n. v." catuaba

Bark strips purchased in
Ver-o-Peso Market, Belém, Pará,
Brazil, 29 Mar. 1980, from herbarist.
Reputedly from Ceará.

Many medicinal uses, inc. aphrodisiac.

Field Museum, Chicago. 6 Feb 81.
10349. Kalanchoe glaucescens

(1) Cult. Succulent herb.

F Fls. orange. Introduced
from Kenya by R. Faden, 1977.

Riverside, Illinois. 10 Mar 1981.

10350. Eranthis hyemalis (L.) Solish.

(1) cv. "Winter Aconite"

F Cult. herb. Flowers bright
yellow, appearing before leaves.

~~10351~~ Chicago, Illinois ¹² ~~12~~ March 1981
Univ. of Chicago Greenhouses.

10351. Aeschynanthus tricolor Hook.

(1) Cult. pendulous vine.

F Corolla dark red, streaked with
black.

10352. Columnea cv. "Florence Carol"

(1) Cult. pendulous arching

F vine. Leaves green above, ~~dark~~
red-purple beneath. Corolla yellow,
reddish at tip.

10353. Aeschynanthus pulcher (Blume) D. Don
(1) Cult. pendulous vine. Corolla
bright red.

BH 10354. Passiflora coriacea Jacq.
(2) Cult. vine from Barro Colorado
F Island. Fls. yellow-green.

10355. Bachystachys lutea Nees.
(1) Cult. shrublet 70 cm tall.
F Bracts yellow. Corolla white.

10356. Thunbergia erecta (Benth.) T. Anderson
(1) Cult. ^{erect} shrublet 40 cm tall.
F Corolla tube cream. Limb deep ^{blue-}violet

10357. Homocladium platycladum (F.J. Muell.)
(1) L. H. Bailey
F Cult. erect shrub 80 cm. tall.
Fls. cream.

10358. (Alseobia) Episcia dianthiflora ^{x E. punctata} H. E. Moore
(1) & R. G. Wils. Cu. 'cygnet'
F Pendulous vine. Corolla pure white.

10359. Nematanthus Cv. 'Mary Ann W.'
(1) 'Goldfish Plant' Lvs. shiny. Corolla orange,
F tipped yellow.

10360. Philodendron goeldii G. M. Barroso
(3) det. T. Plowman 1981.
F Cult. non-vining plant.
BH Sold as "Philoschreff" - as a hybrid
between Philodendron + Schefflera.
Purchased at Hammelich
House, Halsted + Belmont,
Chicago.

10361. Columnnea schiedeana Schlechtend.
(1) Cult. Stander-pendant herb.
F lf. veins reddish. Corolla yellowish,
heavily streaked dark red.
-

15 Apr 1981 Chicago, Ill.

10362. Ribes odoratum Wendl. f.
(1) Cult. hedge at Halsted + Roscoe.
F Fls. yellow, petals red-tipped
with age. det. M. Neel 1981.

10363. Humulus japonicus Sieb. + Zucc.
(3) Seedlings in backyard garden
F Buckingham + Halsted.

10364. Arucaris heterophylla (Salisb.) Franco.
(3) Norfolk Island Pine. - Field Museum
F Sterile cult. tree 8 ft. tall.
BH
F
A-JP

Univ. of Chicago Greenhouse, 15 Apr 81
10365. Eucrosia (Collipsyche) zurentiaca (Baker) ~~Trub~~ ^{Trub}

(1)

BH

Cult. bulbiferous herb. Bulb white
Ex Plowman et al. 4600. (= 7634)

10366. Bessiflora perfoliata var. normalis (L.) ^{Fawcett + Rendle}

(2) Cult. climbing vine. Sepals + petals
F deep dark red; ^{purple} Corolla yellow-green,
~~red~~ red-tipped.
NY

10367. Cryptomeria japonica (L. f.) D. Don

(1) Cult. tree 3 m. tall.

F

10368. Oxalis hedysaroides HBK.

"F (1) Cult. herb. Foliage deep red-purple.
Fls. yellow.

10369. Trachylopernum jasmnoides (Lindl.) ^{Lem.} Apocyn.

F (1) Cult. vine. Fls. white, fragrant,
jessamine scented.

10370. Bessiflora

F (2) Cult. vine. Sepals yellow-green.
BH Petals pale blue, ^{slender-} white margined.
with dark purple specks.

10371. Tulipa

- (2) Cult. bulbiferous herb. ^{Tepals} ~~Petals~~ bright
F red, black at base with ^{inner} yellow band
between.

10372. Philodendron inconcinnum Schott

- (1) Compact fleshy herb. Petioles,
leaf midvein and spathe deep red-
purple.
F of hybrid origin.
det. T. Croat 1985

6 MAY 1981. Chicago, Univ. of Chicago
greenhouses.

10373. Anthurium wendlingeri Barroso.

- (1) Cult. epiphytic herb. Lvs.
F pendulous. Spadix spiralled,
cream.

10374. Anthurium dressleri x A. sp.?

- (1) Cult. epiphyte. Petiole and
F peduncle reddish, Spathe green-
ish with red tinge. Spadix pale
purple.
Mo- Ex Selby Bot. Gardens.

10375.

- F (1) Ornamental found in centerpiece
at Lutz's Restaurant, Chicago. ^{Lythrac.}

ARIZONA: Pima County. NE of Tucson,
Southside of Santa Catalina Mts.; ^{near} Mouth of
Esperero Canyon. Alt. ca. 3000 ft.
May 13, 1981.

10376. Cereus giganteus Engelm. Cactac.
F (1) "Jhuero."
Branches tree cactus 5 m. tall. Fls. at
tips of branches. Hypanthium light green.
Petals white. Anthers yellow. Frequent
in desert and canyons.
10377. Myrtillocactus geometrizans (Mart. ex Pfeiff.) Console
F (1) Cult. branched shrub 4 m. Outer tepals
Photos brownish red. Inner tepals white. Fls.
along the nodes.
10378. Fouquieria splendens Engelm. Fouqu.
F (1) n.v. acotillo
Shrub with erect branches 4 m. tall arising
from base of plant. Calyx pale green. Corolla
red. Frequent in desert.
10379. Aloe Liliac.
F (1) Cult. succulent herb. Lvs. dull green with
paler green spots. Scape red. Capsules straw green.
10380. Opuntia leptocaulis DC. Cactac.
F (2) n.v. "pencil cholla"
TEX

Low sprawling shrub in desert. Petals translucent white

Hylocereus

10381.

~~Selenicereus~~

Cactac.

(1)

F

Cult. erect-scandent unbranched cactus 1 m. tall. Hypocotyls light green. Lower sepals reddish. Inner sepals white. Filaments + style pale green 3- or 4-ribbed.

10382. Celtis pallida Torr.

Ulmac.

F (2)
NY

Spiny densely branched shrub in desert. Frs. green. Buds yellowish.

10383. Panicum

Gram.

F (2)
ISC

Clumped grass along running stream in arroyo.

10384. Krameria parvifolia Benth.

Kramer.

(3)

F
K
TEX

Densely branched ~~spiny~~ shrub .9 m. tall in desert slope. Frs. yellow green with dark red "spines".

10385. Prosopis

Legum.

F (1)

Cultivated treelet 3 m. tall. Fls. ~~fr~~ cream. Bark green.

Daniell ex S. Bell

10386. Synsepalum dulci-ferum (Schumacher + Thonn.)

- F (1) Cultivated house plant. Shrub .8 m.
Calyx buff. Corolla white turning brown.
n.v. "Miracle Fruit"

10387. Schinus molle L.

Anacard.

- F (1) n.v. "California Pepper Tree."
Cultivated tree 8 m x 40 cm. DBH.
Fls. creamy yellow

10388. Salvia?

- (1) Cultivated subshrub. Calyx greenish basally,
F red-purple apically. Corolla bright Carmine red.

10389. Mimulus glabratus HBK. Scrophul.

- F (2) Diminutive herb in wet places along
running stream in arroyo. Corolla yellow.
det. C. Niezgoda 1981.

10390. Mimulus rubellus Gray

Scroph.

- F (2) Diminutive annual in wet along running
K stream in arroyo. Corolla yellow. det. C. Niezgoda 1981.

10391. Sphaeralcea

Malvac.

- F (1) Herb .4 m. in thicket along stream.
Petals pale red.

Franseria ambrosioides Cav.

Comp.

10392. Ambrosia

- F (1) Subshrub in thickets along stream
in arroyo, to 2 m. tall. Fls. greenish.

10393. Abutilon crispum (L.) Medic. Malvac.

- F K (2) Herb 1.2 m. in ravine along stream.
Fls. pale yellow-orange.

10394. Nicotiana

Solanac.

- F (1) Perennial herb on open roadside. Fls. pale
yellow.

10395. Trixis californica Kellogg Comp.

- F LP (2) Shrub 1 m. tall in desert. Fls.
yellow. det. ~~Franseria~~ M. Dillon 1981.

10396. Eupatorium solidaginifolium Gray Comp.

- F LP (2) Desert shrub, clumped, 0.8 m.
Fls. greenish yellow. det. Dillon 1981.

10397. Asparagus densiflorus (Kunth) Jessq.

- F (2) Cult. sprawling herb 1 m. tall. Fls. white.
BTH Anthers orange.

10398. Quercus sp.)

Fagac.

- F (1) Cult. shrub 1 m. tall. Leaves bluish
green. n.v. "Mexican Blue Oak"

10399. Nandina domestica Thunb. Berberid.

(1) Cultivated ^{of Phoenicia} shrub 1.2 m. tall. Petals
F white.

10400. Cicer arietinum L.

F (1) h.v. garbanzo. - Annual cultivated
in vegetable garden. Pods light green.

10401. Cheilanthes lindheimeri Hook. fern.

F (1) Fern on sides of steep canyon.
det R. J. Stolze 1981.

10402. Pellaea longimucronata Hook. fern

F (1) Fern in rock crevices in desert.

Dalea pringlei Gray

10403. ~~Petalostemon~~ det. C. Niegoda 1981.

F NY (2) Perennial herb in desert: Fls. red-purple.

F NY 10404. Linanthus Polem.
(2) Subshrub .8 m. in canyon bottom along
stream. Corolla tube yellow. Petals white.

10405. Lycium pallidum Miers Solanec

(1) Spiny shrub 1.5 m. tall on sides of steep
F canyon. Berry red. det. C. Niegoda 1981.

10406. Crossosoma bigelovii Wats.

F LP (2) Shrub 1.2 m. on ^{steep} canyon rock walls. →

Capsules ~~brown~~ pale green to brown.

10407. Haplophyton crooksii L.

(2) Perennial herb in desert. Corolla
F light yellow. det. C. Niezgoda 1981.
K

10408. Funastrum heterophyllum (Engelm.) Standl. Asclep.

(2) Vine with milky latex in canyon
F bottom among boulders. Petals brown-
GT ish purple with white margins. Corona
white. det. C. Niezgoda 1981.

10409. Cercidium microphyllum (Torr.) Rose + Johnston

F (2) n.r. palo verde.
GT Shrub 3 m. tall in desert. Trunk
+ branches green. Corolla pale yellow.
Anthers orange.

10410. Plumbago scandens L.

F (2) Perennial herb in canyon bottom
NY among boulders. Corolla white.

10411. Abutilon parvulum A. Gray Malvac.

(1) Subshrub .8 m. tall in canyon bottom.
Petals white with purple streaks.
Fruit light green.

det. P. Fryxell 1984

Atriplex canescens (Pursh.) Nutt.

10412. ~~Atriplex~~ det. C. Niezgoda 1981.

- F (2) Shrub 1.3 m. tall on sides of steep
canyon. Fls. yellowish.
NY

10413. Arabis perennans Wats. Cereifer.

- F (3) Herb in canyon bottom under shrubs.
GLH Frs. green. det. C. Niezgoda 1981.

10414. Calliandra eriophylla Benth. Legum.

- (2) Shrub 0.8 m. in open desert slope.
F Frs. green.
K

10415. Acacia greggii Gray Legum.

- (2) Armed shrub 2 m. tall in desert
west. Calyx bright green. Filaments cream.
F
K

10416. Lippia wrightii A. Gray

verbenac.
~~labiat.~~

- (2) Subshrub 1 m. tall in canyon
bottom. Fls. white.
F
NY

= MATELEA ARIZONICA (GRAY) SHINNERS
DET. E. SUNDILL 1990

10417. Lachnostoma arizonicum Gray Asclepiad.

- (2) Vine in canyon bottom among boulders.
Milky latex. Fruit light green.
F
K det. C. Niezgoda 1981.

10418. Perezia (Acourtia) wrightii Gray

Comp.

- LP (3) Perennial herb. 0.8 m. in open desert.
F
TEX Fls. lavender. det. Dillon 1981.

10419. Notholaena Standleyi Maxon fern
F (1) Fern in rock crevice in canyon
wall. ... det: R.G. Stolze 1981.

10420. Cissus trifoliata L. Vitec.
F (2) vine among boulders along canyon,
Mo Lvs. fleshy. Buds yellowish.

10421. Hyptis emoryi Torr. Labiat.
F (2) Aromatic perennial herb 1.2 m.
K tall in open desert. Corolla blue-
violet.

10422. Parkinsonia aculeata L. Legum.
(2) Cultivated tree 7 m x 6 cm with 4
F trunks. 4 yellow petals, lower petals
BH with red-orange nectar guides, turning
orange.

10423. Pittosporum phylliracoides DC.
F (2) Cultivated spindly tree 6 m. tall x
6 cm. diam. FR. green turning
yellow-orange. FLs. dirty yellow.
det. T. P. Dumb 1981.

10424. Dodonaea viscosa L.
F (2) Shrub 2 m. tall in canyon bottom.
BA Frequent. Fls. greenish yellow. FRs.
LP

pale green.

EMEND. DARBY

10425. Callitriche HETEROPHYLLA PURSH. Callitriche.

(3) Aquatic herb rooted at bottom of
F TEX Canyon stream. C.T. PHILBRICK 1991
NY

10426. Bromus

Gram.

(1) Growing in sandy wash along stream.
F Spikes purple.

10427. Chloris /

Gram.

(2) Growing at edge of stream in ~~Canyon~~
F ISC arroyo bottom.

10428. Cyperus squarrosus L.

Cyperac.

F (1) Growing in sandy wash along stream
in arroyo bottom. det. G.C. Tucker 1986.

10429. Juncus

Juncac.

F (1) Growing in sandy wash in stream edge
in arroyo bottom. Cyperac.

10430. Eleocharis

Cyperac.

F (1) Growing in sandy wash along stream
in arroyo bottom.

10431. Gnaphalium Comp.

- F (1) Diminutive herb on moist bank
along stream in arroyo bottom

10431A. Plantago virginica L.

- (1) Diminutive herb on moist bank
F along stream in arroyo bottom.
det. C. Niezgoda 1981.

10432. Stemodia durantifolia (L.) Swartz ~~Scroph.~~ ^{Scroph.}

- (1) Herb at stream edge in sandy
F arroyo bottom. Corolla blue-violet,
det. C. Niezgoda 1981. ! C. Cowan 1992

10433. Mimulus glabratus HB.K. Scroph.

- (2) Herb at stream edge in sandy
F NY arroyo bottom. Corolla yellow.
det. C. Niezgoda 1981.

10434. Gram.

- (1) Tufted grass on desert slope.

10435. Galium stellatum Kellogg Rub.

- (1) Fragile sprawling herb at base of
F canyon wall.

10436. MIRABILIS BIGELOVII A. GRAY Nyctag.

- (2) Elongate perennial herb in sandy
F NY canyon bottom among boulders.
Fls. dirty yellow.

DET. R. SPELLENBERG (NMC) 1995

10437. ~~Byttneria~~ Ayenia pusilla L. Stercul.

(2) Herb in desert slope. Fls. purple-
F black. Fruits green. det. C. Niezgoda 1981.

10438. Commicarpus scandens (L.) Standl. Nyctag.

(1) Sprawling fragile herb in ~~open~~
F canyon bottom among shrubs. Young
fruits green. det. C. Niezgoda 1981.

10439. Chamaesyce pediculifera (Engelm.) ^{Rose + Standl.} Euphorb.

(1) Prostrate herb forming round mat in open
F desert. det. M. J. Hufr. 1981.

10440. Gutierrezia ^{→ G. serotina E. Greene det. M. Lane 1984.} californica (DC.) T. + G. Comp.

(1) Clumped perennial herb on desert
F slope. Fls. yellow. det. M. O. Dillon 1981.

10441. Brickellia Coulteri Gray Comp.

(1) Perennial herb in desert - ~~det.~~
F det. Dillon 1981.

10442. Machaeranthera pinnatifida (Hook.) Shinn. Comp.

(1) Perennial herb on desert slope.
F Fls. yellow. det. Dillon 1981.

10443. Encelia forinosa Gray

(1) Subshrub 1 m. tall. Fls. yellow.
F In desert. det. Dillon 1981.

10444. Bahia absinthifolia Benth. Comp.
F (1) Perennial herb on desert slope.
Fls. yellow. det. Dillon 1981.

10445. ~~Eriogonum~~ Psilostrophe cooperi (Gray) Greene Comp.
F (1) Perennial herb on desert
slope. Fls. bright yellow. det. Dillon 1981.

10446. Trixis californica Kellogg Comp.
F (2) Subshrub on desert slope.
P Fls. yellow. det. Dillon 1981.

10447. Erigeron divergens T. & G. Comp.
(2) Herb in sandy arroyo bottom
F along stream. Rays white. det. Dillon 1981.
LP
→ G. serotinus G. Greene det. M. Lange 1984.

10448. Gutierrezia californica (DC.) T. & G. Comp.
F (3) Perennial herb on desert slope.
LP GH Fls. yellow. det. Dillon 1981.

10449. Lantana macropoda Torr. Verb.
(2) Cult. Subshrub. Fls. pale
F lavender. det. C. Niezgoda 1981.

10450. Olea europaea L Oleae.
(1) Cultivated tree 5m-tall.
F Fruits green.

10451. Vitis arizonica Engelm.

Vitac.

- (2) Vine in canyon bottom among boulders.
F Petioles and rachis red. Fruits still
NY green.

10452. Lesquerella purpurea (Gray) Wats. Cruciferae.

- (2) Herb in sandy canyon bottom among
F boulders and shrubs. det. C. Niezgoda
1981.

10453. Lycopersicon esculentum Mill.

Solanac.

- (1) "tomato"
F Cult. vine in vegetable garden.
Fls. yellow. Fruit fleshy, red.

10454. Capsicum pubescens R. + P.

Solanac.

- F (1) n.v. rocoto pepper
Cultivated herb 0.5 m. tall. Petals
blue-purple. Seeds from Peru.

10455. Spinacia oleracea L.

Chenopod.

- F (1) ~~Spa~~ Spinach
Cult. herb in vegetable garden. Fls. greenish.

10456. Beta vulgaris L.

Chenopod.

- (1) Cultivated herb in vegetable garden.
F Fls. green.

10457. Ocimum basilicum L. Lab.

- (1) Cultivated aromatic herb
in vegetable garden. Corolla
white.

10458. Raphanus sativus L. - Cruc.

- (1) Cultivated herb in ~~egg~~
vegetable garden. Petals pale lavender.
FRs. green. N.v. Japanese "Radish"

10459. Jonusia gracilis Gray Malpigh

- F K MICH (3) Perennial herbaceous vine
among shrubs on desert slope.
Petals yellow. Wings on fruit
red.

10460. Cassia covesii Gray Legum.

- F (1) Perennial herb on desert
slope. Fl. yellow. det. C. Niezgoda 1981.

10461. Anisacanthus thurberi (Torr.) Gray Acanth.

- F US (2) Weak shrub ^{1.7 m.} among boulders
in canyon bottom. Corolla red-
orange.

Coursetia glandulosa A. Gray det. M. Lavin 1987.

10462. Coursetia parvifolia Gray Legum.

- F G (2) Shrub 1.6 m. tall on canyon
steep

Wall. Calyx red. Banner white. Wings
+ keel yellow.

10463. Coursetia ^{glandulosa A. Gray det. M. Lavin 1987.} ~~parvifolia Gray~~ Legum.

(2) Shrub 1.8 m. tall on ^{rocky} ledge above
canyon. FR. green.

10464. Penstemon parryi Gray Scroph.

(2) Perennial herb in wash on desert
slope, under shrubs. Leaves fleshy.
Corolla ~~red-purple~~ light red-violet
det. C. Nicogodo 1981.

10465. Acacia constricta Benth. Legum.

(2) Armed shrub 2.5 m. tall on desert
slope. Fls. bright golden-yellow.

10466. Fraxinus velutina Torr. Oleac

(2) Tree 15 m. tall in canyon bottom among
boulders. Frs. pale green.

10467. Opuntia Cact.

(1) Low shrub 1 m. tall in desert. Fls. in
bud.

10468. Opuntia fulgida Engelm. Cact.

(1) Shrub 1.5 m. tall in desert.
Fls. magenta.

10469. Opuntia bigelovii Engelm. Cact.

(1) Shrub 2.0 m. tall. Fls. pale
F yellow, outer tepals with red
blush.

10470. Opuntia versicolor Engelm. Cact.

F (1) Shrub in desert 1.5 m. tall.
Fls. deep magenta-rose.

10471. Opuntia Cact.

(1) Shrub 1.2 m. tall in desert.
Fls. bright lemon-yellow.

10472. Opuntia versicolor Engelm. Cact.

(1) Shrub 2 m. tall in desert.
F Tepals copper-yellow turning
copper red. Filaments green,
anthers yellow.

10473. Opuntia violacea Engelm. var. santa-rita (Griffiths + Hare) L. Benson

(1) Cultivated shrub 1.0 m. tall.
F Joints red-violet. Outer tepals
green. Inner tepals bright
yellow. Filaments + anthers yellow.

10474. Mamillaria microcarpa Engelm. Cact.

- (1) Clumped or solitary cactus on rocky
F ledges and under shrubs in desert.
Petals pink, with white stripe.

MAY 18, 1981

NEW ARIZONA: Pima County
Gale's Pass, West of Tucson on
road to Old Tucson and Arizona-
Sonora Desert Museum.

10475. Simmondsia chinensis (Link) Schneid. Buxac.

- (2) Shrub 1.8 m. tall in desert. FRS.
F. pendulous, green.
NY

10476. Simmondsia chinensis (Link) Schneid. Buxac.

- (3) Shrub 1.2 m. tall in desert, FRS.
F cream.
NY
K

20 MAY 1981.

Colorado: Jefferson County. Littleton.
Alt. ca. 5440 feet. South Webster Court.

10477. Linum perenne L. ornamental Linac.

- (1) Cultivated perennial herb. Petals
F deep blue.

10478. Erodium cicutarium (L.) L'Her. Gren. Crucif.
F (1) Prostrate herb. Fls. pink.
Weed in garden + waste places.
det. C. Niezgodz 1981.

10479. Crucif.
F (1) Weed in garden and waste
places. Petals red-violet.

10480. Acer ginnala Maxim. Acer.
F (1) Cultivated tree 5 m. tall.
Fls. greenish yellow.
n.v.

10481. Spiraea sp. Rosac.
F (1) Cultivated ornamental
shrub 0.6 m. tall. Petals white.

10482. Cerastium Gryph.
F (1) Cultivated ground cover.
Petals white.

10483. Tragopogon dubius Scop. Comp.
(1) Robust weed in flower garden.
F Fls. yellow.

26 MAY 1981 = Chicago, Illinois
10484. Armoracia rusticana Gaertn., Mey. + Scherb. Crucif.
(1) 'Horse radish.'

Perennial herb from long tap root.
Petals white.

10485. Brassica oleracea L. gemmifera group. Crucif.
(1) Sprouting from 1st year's plant.
Fls. yellow.

10486. Rhynchosia EDULIS GRISEB. Legum.
(1) Herbaceous vine cultivated at Field Museum
Fls. yellow, wings brownish. Seeds from.
Univ. of Ill. Med. School Dept of
Pharmacognosy. DET. R. FORTUNATO 1991

12 June 1981. - Chicago

10487. Philadelphus Saxifr.
(1) Cult. bush at Sol Cornelia. Petals
F white.

10488. Brassica hirta Moench (= Sinapis alba L.) Crucif.
(1) "mustard" = grown from commercial
F mustard seed. Fls. yellow. (= 10620)

10489. Rosa multiflora Rosac.
(1) Cult. prickly shrub in garden at
F PSI Buckingham. Petals white.

Cruc.

10490. Raphanus sativus L.
 F (1) radish
 cult. herb with fleshy root.

Lilac.

10491. Lilium
 F (1) Cult. Clumped perennial herb.
 Tepals deep orange with darker
 red spots abaxially.

22 June 1981. Chicago, IL.

Umbel.

10492. Petroselinum crispum (Mill.)
 F (1) Nym. ex A.W. Hill.
 Cult. Biennial herb 80 cm. tall.
 Fls. yellow. "parsley"

Crucif.

10493. Raphanus sativus L.
 F (1) Annual Cult. herb. Root red.
 Fls. pale pink.

10494. Silene armeria L. Caryoph.

- F (1) Cult. herb. Petals magenta pink.
 Field Museum det. P. Metcheritz (1981).

10495. Zamioculcas zamiifolia
 (1) Cult. fleshy herb in pot.
 Lvs. shiny, succulent, sp. the green.
 Spadix creamy white.

Chicago, Ill. 5 July 1981.

10496. ~~Sanitocutis~~ Polygonatum Liliac.
(1) ornamental used in flower arrangement.
F The Brewery, F.R. Green.

10497. Echeveria

- (1) Ornamental used in flower arrangement.
F. ment. The Brewery.

22 July 1981.

10498. Brunfelsia undulata Sw. x B. Solanac.
(2) jamaicensis
F. Cultivated wind like shrub 1 m.
NY tall. ~~Fl~~ Corolla creamy white,
very fragrant.

